1	RETIREMENT SYSTEMS OF ALABAMA
2	EMPLOYEES' RETIREMENT SYSTEM
3	BOARD OF CONTROL MEETING
4	201 South Union Street, Room 843
5	Montgomery, Alabama 36104
6	877.517.0020
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11	COPY
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15	EMPLOYEES' RETIREMENT SYSTEM BOARD OF
16	CONTROL MEETING reported by Jeana S. Boggs,
17	Certified Court Reporter and Notary Public, in the
18	conference room of the Retirement Systems of
19	Alabama, 201 South Union Street, Montgomery,
20	Alabama, that was held at approximately 9:00 a.m.,
21	Tuesday, September 22nd, 2020.
22	
23	

1	APPEARANCES
2	BOARD MEMBERS PRESENT:
3	MR. JIM FIBBE, VICE CHAIR
4	MR. NORRIS GREEN, VIA WEBEX
5	MR. DAVID HARER
6	MS. LISA STATUM
7	MR. JOHN MCMILLAN
8	MS. WENDY HESTER
9	MS. TAMMY ROLLING, VIA WEBEX
10	MR. KELLY BUTLER
11	MS. LINDSEY WARD, VIA WEBEX
12	MR. DAVID COLSTON, VIA WEBEX
13	MR. JOHN FREE, VIA WEBEX
14	
15	ABSENT:
16	MS. JACKIE GRAHAM
17	GOVERNOR KAY IVEY
18	
19	ALSO PRESENT:
20	DR. DAVID G. BRONNER, RSA CEO
21	MR. DON YANCEY, RSA DEPUTY DIRECTOR
22	MS. LEURA CANARY, RSA LEGAL COUNSEL
23	MR. MARC GREEN, RSA CHIEF INVESTMENT OFFICER

1	MR. BILL KELLEY, ERS DIRECTOR	
2	MR. GEORGE FROST, ERS ASSISTANT DIRECTOR	
3	MS. DEBBY DAHL, RSA ASSISTANT	
4	MS. DONNA BARRETT, CNHI CEO	
5	MR. STEVE MCPHAUL, CNHI EVP and COO	
6	MR. LARRY LANGER, CAVANAUGH MACDONALD CONSULTING	
7	MS. CATHY TURCOT, CAVANAUGH MACDONALD CONSULTING	
8	MR. ED KOEBEL, CAVANAUGH MACDONALD CONSULTING	
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1 CALL TO ORDER/ROLL CALL 2 MR. FIBBE: I have 9:00 o'clock, 3 and I think it's time we need to get 4 This is the Employees' Retirement started. 5 System Board of Control meeting on 6 September 22, 2020, 9:00 a.m. in the RSA 7 headquarters, 8th Floor Boardroom, 8 Montgomery, Alabama. 9 The first item on the agenda is 10 the roll call. And Ms. Dahl, would you 11 call the roll? 12 Yes, sir. Jim Fibbe? MS. DAHL: 13 MR. FIBBE: Here. 14 MS. DAHL: Norris Green? 15 MR. NORRIS GREEN: Here. 16 MS. DAHL: David Harer? 17 MR. HARER: Present. 18 MS. DAHL: John McMillan? 19 MR. MCMILLAN: Here. 20 MS. DAHL: Lisa Statum? 21 MS. STATUM: Here. 2.2. MS. DAHL: David Colston? 23 MR. COLSTON: Here.

1	MS. DAHL: Wendy Hester?
2	MS. HESTER: Here.
3	MS. DAHL: Tammy Rolling? Tammy
4	Rolling?
5	(No response).
6	MS. DAHL: It looks like she's
7	with the meeting, but she doesn't hear us.
8	MS. GAMBLE: She is on a call-in
9	number, but she has it on mute. Try one,
10	more time.
11	MS. DAHL: Tammy Rolling?
12	MS. ROLLING: Here.
13	MS. GAMBLE: Okay. There we go.
14	MS. DAHL: Lindsey Ward?
15	MS. WARD: Here.
16	MS. DAHL: Kelly Butler?
17	MR. BUTLER: Here.
18	MS. DAHL: John Free?
19	MR. FREE: Here.
20	MS. DAHL: Jackie Graham?
21	(No response.)
22	MS. DAHL: Governor Ivey?
23	(No response).

MR. FIBBE: Thank you, Debby. We have a quorum, so we will proceed.

2.2.

Before we get started, I just wanted to remind everybody that part of our Board is attending this meeting electronically, remotely. And if you have — if those members have something that they want to say or a question that they want to ask, you can either do it in the chat room; or if you would just give us a little happy hand sign and get our attention, and we will acknowledge you and let you have your say.

There is a bit of a delay from when you talk and when we hear what you have to say. So, be patient with us and give us time for that, and I think we will manage.

I think that's probably all the preliminary statements that I wanted to make. We will go with the first item on the agenda, which is the approval of the June 9, 2020 meeting minutes.

1	APPROVAL OF JUNE 9, 2020, MEETING MINUTES
2	MR. FIBBE: And I hope everyone
3	got those minutes and had an opportunity to
4	review them.
5	Are there any questions or
6	comments regarding those meetings those
7	minutes of that meeting?
8	MR. BUTLER: I move to approve
9	the minutes.
10	MR. HARER: Second.
11	MR. FIBBE: We have a motion to
12	approve by Mr. Butler.
13	MR. HARER: Second.
14	MR. FIBBE: And seconded by
15	Mr. Harer.
16	Is there any further discussion?
17	(No response).
18	MR. FIBBE: If not, all in favor
19	please signify by saying "aye."
20	(Board members saying "aye.")
21	MR. FIBBE: Any opposed, like
22	sign?
23	(No response).

MR. FIBBE: Motion carries.

2.2.

The next item is the update by CNHI management, Ms. Barrett. And you also have a handout that is at your place.

UPDATE BY CNHI MANAGEMENT

MS. BARRETT: And thank you to the Board for welcoming us here today to let us talk about our company. We do have a handout. We are going to start with, the CNHI 2020. And first, we are going to introduce ourselves. I am Donna Barrett, the Chief Operating Officer and President of CNHI. And with me today is Steve McPhaul, our Chief Operating Officer.

And I wanted to give you a little bit of background on our experience in the industry so that you can be assured that your newspaper company is in good hands. We both have deep industry experience. I have played leadership roles both on the national and international stage. I was the national chairman for the newspaper industry for

the entire country for two years; only the second woman to hold that position.

Something I am sure our Governor could relate to. I've also represented the entire U.S. on the international board for newspapers that spans the entire globe, and served in that capacity for several years.

2.2.

Steve also has very deep roots and experience and is, in fact, not only served on key boards, he has published several newspapers in Alabama. So, he knows the industry, and he also knows Alabama very, very well.

So, to talk a little bit about the company, if you flip to page two, we are a news and information company, not just newspapers. In fact, we publish magazines in addition to newspapers, and we will talk a little bit about those in more depth later, and we also have digital news sites in 21 states.

RSA purchased membership from

Raycom to buy us in January 2019. For many years prior to that, we were with RSA in a lender capacity and of course we were then sold to Raycom. And we came back out of Raycom to be — to rejoin RSA in 2019, and that was a very happy experience for us. And we believe we bring a lot to the table for RSA and your investment, as well, which we will talk about.

2.2.

MR. MCPHAUL: So, if you take a look at page three, as Donna mentioned, our footprint is sizeable. We are in 21 states. We are a very geographically diverse company, and that has allowed us to take advantage of regional economic opportunities while at the same time limit our dependence on any one regional economic driver, such as you think about oil in Oklahoma, or agriculture, say, in Georgia. This company was built with geographical diversity in mind.

So, if you look at page four, here is our portfolio. We own newspapers

1 in communities such as Valdosta, Georgia; 2 Beckley, West Virginia; Traverse City, 3 Michigan; Joplin, Missouri. The kev 4 takeaway, when you look at page four for 5 this slide, is that CNHI does not operate 6 in metro cities. We are in small to 7 midsize communities across the country and 8 the key factor is this: We dominate the 9 news and information business in the 10 communities that we serve. In essence, I 11 think you could take a takeaway from it: 12 We are the voice of those communities. 13 MS. BARRETT: And what do we 14 bring to RSA and the State of Alabama? 15 Well, we provide a very unique value. First 16 of all, there is our financial security and 17 what we are able to remit to RSA. 18 DR. BRONNER: Page five. 19 So, if MS. BARRETT: Page five. 20 you look at page five -- a very key page --21 since joining RSA again in January 2019, we 2.2. have remitted \$21.4 million to RSA. We also

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provide \$32 million in annual advertising

23

support. And what I am talking about, it's in our magazines, and it's also outside of our company and, of course, our newspapers, as well.

2.2.

So, we have given to you at your table a copy of one of our magazines,
Allegany Magazine, which is published out of Cumberland, Maryland. And if you look on page three, there is the beautiful RSA ad inviting people to come back down and play some golf in the State of Alabama.

And these ads run all over the country.

We also place ads elsewhere, which we will talk a little bit about deeper in the presentation, as well.

We also brought \$60 million in real estate to the table. Newspapers, traditionally are in very valuable real estate locations because they were built a hundred years ago downtown, and they were generally built by the richest guy in town who owned the newspaper for a vanity play. So, he generally built himself a Taj

1 We are still in many of those 2 buildings, which is why our real estate is 3 uniquely valuable. Well, in many cases, 4 it makes sense for us to sell the real 5 estate, which we will again talk about 6 But it is a very important part of 7 our portfolio, and it adds value even 8 outside of the business. 9 So, we have the business of the 10 newspapers, which is valued separately 11 from the real estate holdings, which are 12 significantly lucrative. 13 We also have an annual 14 membership in the RSA Golf Trail. 15 believe in supporting those who support 16 us, so it's an important part of our 17 company culture. We are well positioned 18 today and tomorrow to be viable and

MR. MCPHAUL: On page six.

MS. BARRETT: On page six, we attract visitors to Alabama, as we talked about. These are some of the ads that have

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valuable.

run in CNHI newspapers, magazines; and not only in our portfolio, we have also placed ads in Golf Digest and USA Today for, not only the trail, but other Alabama sites.

So, \$32 million in premium advertising supplied to RSA and the State of Alabama.

2.2.

MR. MCPHAUL: So, if you look on page seven, I thought I would drill down just a little bit in terms of the real estate. As Donna mentioned, it is \$60 million worth of real estate property value, and the point being is that it is real value. Just as Donna mentioned, this is prime locations in the communities that we are located in. Now, we have quickly — very quickly established this real estate value by selling about \$4 million worth of real estate just in the last 18 months. So, the value is definitively there.

The great thing about it is that after we sold it out of these large buildings that Donna has discussed, we were able to move into a leased premise,

and the leased premise is a lot more efficient for us to operate from. As a matter of fact, with that property we sold, we moved the staff and the newspaper operations into these leased premises and saved another half a million dollars a year just off of operational expenses. So, it's a great situation all the way through.

2.2.

Point being is that this \$60 million is real value, and it is \$60 million that is separate from your traditional newspaper operation.

MS. BARRETT: And the way we are able to save money by moving into leased premises, you say, well, that doesn't really make sense, you are paying rent. Well, look at the building on the right. Imagine the utilities for heating, air-conditioning, all the things that go with operating a building like that. It's beautiful; it's in Sunbury, Pennsylvania, and it's, you know, right on the downtown square, but it is incredibly

expensive to operate. So, that's why we are able to sell and realize the value of the real estate, move into leased properties, and actually save money on our annual operating expenses.

2.2.

MR. MCPHAUL: If you look at page eight, it's just like the headline of the slide says, the print versus digital debate is very frequently understood. Just understand, our business is content; it is not the platform. The readers are buying the content; they are not buying the platform.

So, it doesn't make a difference to us whether or not that newspaper is delivered in your driveway, laptop, desktop, smartphone, iPad. The business that we have in content — or is content, and in 2020, we are on a trend to have the largest audience that we have ever had in the history of the company.

MS. BARRETT: So, you have heard a lot about what are city newspapers, and

that is also misunderstood. Just as what exactly our business is can be misunderstood, what has been hurting our business is also misunderstood. It has nothing to do with audience. As Steve just said, we have the largest audience today than we ever have. People are reading us in different ways, different platforms, different formats, but it is the same content.

2.2.

What has hit newspapers that you read a lot about, it's all related to advertising. But there is a fix for that. So, traditionally, newspapers biggest advertisers have been department stores: Sears, JC Penney, Maceys. And I think everybody in this room knows what has been happening with that sector.

So, what has, you know, been reported to hurt our sector is actually related to where we were getting our advertising money. But, there is a very significant fix that we are well under way

with. And quite frankly, CNHI is ahead of most U.S. newspapers. The rest of the world never did it this way anyway. Only the U.S. was over-retailed, and because we were over-retailed, we had the ability to build an entire industry, an entire news business, by relying on advertising revenue almost exclusively. You have traditional paid much less for your subscription than it costs to print and deliver it to your house. subsidized by all that advertising. But that's not the business any longer. And it's never been the business in other countries.

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When I was represented the U.S. on the international board, I was able to take the deep dive into what was going on in all these other countries. They receive the overwhelming majority of their revenue directly from their subscribers, not from advertising, because they never had our big beautiful department stores.

They never had all of this excess retail.

2.2.

So, they charged readers a fair price, but that's what they relied on instead of advertising to the point where in Denmark 95% of the revenue came from subscribers; 5% from advertising, where traditionally in the U.S. that was almost flipped; we were 80/20.

CNHI has taken a deliberate path to build a business model that relies exactly on what the rest of the world always has, and today we are closer to 50/50. And at some point, we will be 95/5, just like Denmark.

All right. Now, we can't do
that without really strong content. And
you might think about the newspaper that
you are get in your daily market. You
might love it, you might not. We believe
that content is everything.

And so, even though we are small newspapers, we make sure that we build and provide top drawer content. And we can do

that through a number of ways. We have statehouse bureaus in every state where we have meaningful numbers of newspapers, and that is very unusual today. Almost no company has continued with statehouse bureaus.

2.2.

We build specialty pages, and these are one-page that's built for the entire company when something special is happening, whether it's the Apollo moon landing anniversary, the anniversary of D-Day. We just ran our SEC preview pages. Whatever — whatever is going to be appealing to all CNHI readers, we make sure we build top drawer pages to share with all. So, if you are a reader in Oklahoma or you are a reader in Massachusetts, you are going to get these beautiful pages.

And, of course, we also have our magazines, which if you look at the copy that we gave you, these are top drawer.

These hold water and I would say surpass

most of what you would find on any newsstand anywhere. These are very, very good magazines, and they reproduce ads beautifully.

2.2.

MR. MCPHAUL: So, if you take a look at page 11, our mission has never been more important than it is today. And if you think about it, this current confluent of events: Global pandemic; economic crisis; nationwide protests; throw in a presidential election; in just this week, a Supreme Court justice opening.

So this — if you will, a confluence of these events has not happened in our lifetime, and so with it, it is critical that we provide accurate and timely news and information to our communities, and we do just that.

If you take a look at page 12, I think this is a very good example. This is a photo of a line of police at a Black Lives Matters protest. This was taken by a CNHI photographer in Georgia. And the

point of this photograph is this: We cover events that impacts the lives of people in our communities.

2.2.

MS. BARRETT: So, on page 13, we will going to brag a bit about individual newspapers. Every year a number of CNHI newspapers are named the number one newspaper in their state. And this is this year's gathering.

So, in Indiana, the number one newspaper in Indiana, as determined by the Hoosier Press Association — not us — is the Anderson Herald Bulletin. Now, that is our newspaper. Much, much smaller, as you would imagine than the Indie Star, or the Muncie Newspaper, or Bloomington, or I'm not sure how much anybody knows about Indiana — Evansville or a number of other towns happens to be my home state — so I can list them all. But Anderson is not even close to being the biggest newspaper in Indiana. What it is, is the best.

The same is true in Missouri,

where we have the Joplin Globe. The
Joplin Globe is the newspaper of the year.
It is not the Kansas City Star. It is not
the Saint Louis Post Dispatch. It is our
Joplin Globe; and I think that's something
that you guys can all be proud of.

2.2.

Again, in Oklahoma — now, we own a lot of newspapers in Oklahoma, but we do not own Oklahoma City, and we do not own Tulsa. What we do own are the smaller newspapers, and our Norman, Oklahoma, is the Newspaper Of The Year in that state.

So, let's talk a little bit about our overall strategy as far as digital. Well, we believe that the key is to keep it in balance with print. You have probably heard of a lot of companies who put digital well in front of print to the point where we think they disrespected print. That was premature and, quite frankly, detrimental to the health of their business. That happened a lot with certain newspapers in Alabama.

There are other newspapers, generally owned by smaller owners, who ignored digital completely. That's also wrong, because that is ignoring your growth.

2.2.

So, our strategy is very simple. It's respect print, but grow digital. And every employee in CNHI is ingrained on that. That very simple premise, that they work in balance with one another, and only when you have them in balance will you have a strong, stable, viable newspaper company.

MR. MCPHAUL: If you take a look at page 15, a little bit about our readership, and it is growing. So, our readers are highly engaged. They are loyal, and it is a sizeable following, if you will. Just this year we will do in the neighborhood of 620 million page views. That is a very, very significant number. And, you know, when you take a look at them, they are spending more time with us than

they have ever before when they do visit our websites. And when they are there, they're -- I guess the best way to put it, they are 100% engaged because of the timing that they spend on it.

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So, that is because we provide, again, news and information that is timely, it's critical, it is local, and it is high quality.

MS. BARRETT: So, on page 16, we are going to end on the highest note possible. I am sure everybody here is aware of the Pulitzer Prizes. They are generally won in journalism by the New York Times, the Washington Post, and other very major newspapers. This year CNHI was awarded the Pulitzer Prize for editorial writing. it was from our tiny -- and I mean, teeny-tiny paper in Palestine, Texas. yes, they say "Pales-teen." We have had so many people try to correct us politely, and say, "You know it's Palestine, right?" And it's like, no. Just like there is

1 "Vi-anna," Indiana, there is "Pales-teen" 2 Texas. 3 But it -- a tiny little paper, 4 even by the standards of community size 5 publications, won the Pulitzer, our first 6 Pulitzer as a company. This is 7 monumental, and we want you to share that 8 pride with us, because to say that we are 9 out boxing our weight class would be an 10 understatement on this. 11 So, with that, thank you for 12 listening and letting us talk about our 13 company, the one we are so proud of. 14 And I think we will move to 15 questions, Dr. Bronner? 16 DR. BRONNER: Sure. We're open. 17 MR. FIBBE: Are there any 18 questions from Board members? 19 MR. MCMILLAN: Yes, I would like 20 to get you to talk a little bit more about 21 the printing side of it. Like, do you 2.2. outsource any printing? Do you multiple 23 paper print?

21

2.2.

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MS. BARRETT: Both, actually, In today's world, we like to say either print or to be printed. And what that means is, we have operating printing presses in many of our locations, and we don't just print our newspapers. companies pay us to print theirs, as well. In some cases that's flipped, where we are the ones to pay. If we don't have the printing press, we will pay other companies, whether it's Ogdon Newspapers or Gannett or whomever it might be, we pay those companies, in some cases to print our papers at their printing presses, but in more cases we have other companies paying us to print their newspapers. And that's not just other daily newspapers or weeklies out in the private sector. This includes university

For example, in Oklahoma, we are the printer for both the, you know, OU and OSU student newspapers. In Terre Haute, Indiana, we print, you know, the Terre

1 Haute Daily Newspaper, et cetera. 2 So, we have a number of what we 3 call "commercial jobs," and that is a lucrative source of revenue for us. If we 4 5 have a press, we want to keep it running 6 more than just the time it takes to run 7 our own newspaper. Because I don't know 8 if you guys have seen these printing 9 They are monsters. presses. They are 10 huge. And the way you make money with 11 them is to print a lot more than what, you 12 know, you, yourself, need. 13 MR. FIBBE: Mr. Butler? 14 MR. BUTLER: Donna, that's a 15 great presentation. Thank you. 16 I am just curious about your 17 view of your portfolio and whether you're 18 looking for acquisitions or looking to 19 sell. Would you talk about that a little 20 bit? 21 MS. BARRETT: We love our 2.2. portfolio. It did, you know, take a little 23 bit of work to get it where it is today.

1 made some strategic sales of things that 2 didn't quite fit or were not in very 3 attractive markets. But we are always 4 looking for another strong acquisition that 5 would fit. 6 We go through a very vigorous 7 due diligence process before we decide 8 whether a newspaper fits our portfolio. 9 You know, it has to be the right kind of 10 market and, of course, a number of other 11 factors. We love university towns, as Dr. 12 Bronner has encouraged us. We love 13 university towns with a lot of retirees, 14 as well, because they are devoted readers. 15 So, you will see us continue, I 16 think, to look at acquisitions that makes 17 But make no mistake, we are very sense. vigorous with it. We are not the 18 19 "buy-it-because-it's-for-sale" type of 20 buyers. 21 MR. FIBBE: I have a question for 2.2. you. 23 Are your publications daily, or

how -- what percentage is daily and what percentage is weekly, and so on?

2.2.

MS. BARRETT: Okay. So, in today's world with digital, all are 24/7. So, our industry has really moved away from talking about daily versus weekly, because every newspaper we own, even if it comes out, you know, print once a week, it has a daily presence through our digital sites.

But, if we want to talk about just truly how many of our newspapers are printed, and what would be considered a daily cycle, that would be 65. And that definition, again, is changing, and the industry, as you can imagine, is going through so many transformations. Many of them very good or, in some cases, there are choices, and we believe we have made the right ones.

So, our digital and print working together has been very, very strong, but it has really changed the way that we talk about daily versus weekly,

1 you know, as in the past. Even the 2 Associated Press doesn't categorize it 3 that way anymore. 4 MR. FIBBE: Okay. And, yes, Mr. 5 Harer? 6 MR. HARER: I would like to thank 7 you guys, because I am still a person who 8 has to have that print in front of me. 9 MR. MCPHAUL: Me, too. 10 MR. HARER: But one thing that 11 has been mentioned, and it -- the importance 12 of print paper is the voting percentage of 13 people who -- last Sunday, I saw that 90% of 14 people who hold a paper will vote in the 15 next election. 16 MS. BARRETT: 17 MR. HARER: And that is an astounding number, as opposed to a digital. 18 19 And the importance to what we do here is try 20 to protect this system and everything else 21 that we do that we have a print paper is 2.2. pushed out. 23 MS. BARRETT: Yes. I'm so glad

1 that you mentioned that. It's actually a 2. frustration of ours that the national 3 candidates don't use newspaper, they use TV, 4 because what you have said is exactly true. 5 So, we get a lot of political 6 advising at local race levels, and that 7 makes a whole lot of sense because, yes, 8 90% of newspaper readers are voters. 9 that doesn't replicate in any other way to 10 deliver a message. 11 So, why national candidates 12 don't use newspapers instead of television 13 more is a mystery to us. Every election 14 cycle we make a big push with a lot of our 15 other peer companies, and every cycle you 16 see all the ads on TV and not in our 17 newspapers, which is a shame. But you 18 will see local races. 19 MR. FIBBE: Ms. Statum. 20 MS. STATUM: I want to thank you 21 guys for coming. That was very informative. 2.2. There was a lot there I did not realize. 23 I wanted to ask about the awards

that you guys have received on these newspapers. Is that based on content, subscriptions, print, I mean, or is it all of the above? MS. BARRETT: It's quality of	
subscriptions, print, I mean, or is it all of the above?	
4 of the above?	
5 MS. BARRETT: It's quality of	
6 content. It's truly an editorial quality	
7 contest in every state press. So, what you	
8 have in every state in the country, they	
9 have a press association; and that press	
association, you know, represents on a lobby	
level and many other ways, all the	
newspapers in the state. And that	
association always has a judging contest on	
editorial quality.	
So, it is pure content quality.	
MS. STATUM: Okay. Thank you.	
MR. FIBBE: Any other questions?	
18 (No response).	
MR. FIBBE: I see no other	
questions. None on remote.	
21 Thanks for coming. Thanks for	
your presentation.	
MR. MCPHAUL: Thank you, sir.	

1	MR. FIBBE: I did get a chance to
2	look in on the presentation that you did a
3	few days ago to the Teachers' Retirement
4	System, and I enjoyed it even more the
5	second time. So, thank you very much.
6	MS. BARRETT: Well, thank you.
7	MR. MCPHAUL: Thank you very
8	much.
9	MS. BARRETT: We appreciate being
10	invited. Thank you.
11	MR. FIBBE: All right. Our next
12	item on the agenda is the Investment
13	Performance Update. Mr. Green.
14	DR. BRONNER: Before he talks,
15	Mr. Chairman, I was going to give you an
16	update on Mobile and then he will take you
17	through the numbers.
18	MR. FIBBE: Good.
19	DR. BRONNER: Do remember that
20	September is usually the worst month on Wall
21	Street when he gets to the numbers. It's
22	demonstrated that thus far, so far this
23	year. The one month out of the year is

usually the worst month is September, about 60% to 65% of the time.

2.2.

In Mobile, as all of you are aware, Sally hit us. So, I will just talk about -- I don't want talk about the hurricane, I will just talk about the impact that a hurricane on Mobile and the Grand.

The Grand is closed right now.

We hope to open it this weekend. The main building that was hurt was the spa building. That's the tallest building.

And what's fascinating about it is that all the damage comes from the northeast side. So, you think the hurricane is coming in from the south, and the damage hits you on the northeast side. It raised the roof a little bit, put a hole in it.

We have water problems there.

So, we are trying to -- We got the tarp on yesterday, and actually we started it almost immediately after the storm. So, we had it on, but it took a

lot of effort to try to seal it down from water.

2.2.

We had water leaks about a third of the Conference Center got a little wet, because the storm surge busted the doors, but it didn't get the whole place.

The other roof that was hurt at the Grand is what I call the laundry building, which is behind the — if you drove in, it's on your immediate left.

It's behind the Conference Center. But it got that roof, too.

So, we are working on two roofs there and the water problem. We had a few leaks and things. Nothing got into the restaurant area, or the Buckey's or the old part like it had before. I mean, the last time we went through this, remember, we had the dock inside the Conference Center with about eight to 10 feet of water. So, we did not have anything like that.

So, we really think we will be

open and fine come this weekend. We had a lot of sand problems, because it blew the sand so bad that it filled up the pool with sand. If you looked at the pretty green grass of the Grand, it was nonexistent because it was all sand. So, we have got all that up already, too.

2.2.

So, all the sand is up. The pool is crystal clear, clean. So, that's why I think we will be operational this weekend.

For Mobile, a little bit

different story. The first hotel, the
Riverview, you know, I am sitting here
shaking my head, because I have been
through these things a few too many times.
But, anyway, so the little girl from CNBC
is down there in front of the Battle House
walking towards the Riverview. And she's
going, oh, my God, the roof is blowing
off, which it wasn't the roof, it was
the — there was a — we put in — in
order for a person to stay at the

Riverview, you had a dropoff in front of the hotel, and we put a plexiglass thing through with a roof. So, if it's raining, you can go right into the hotel without getting wet, et cetera. Well, that peeled. One plexiglass after another was flying around downtown like you had like 50 different helicopters all bouncing off things.

2.2.

So, anyway, so that's about the damage of the Riverview. You have —— Any time you have that 50, 100-mile-an-hour winds, much less 100-mile-and-hour winds, whether it's here in Montgomery, I always fight water problems, because I had one in my office one time. We couldn't figure out where it was coming from. And believe it or not, with 100-miles-an-hour hitting that wall over there, it will find a nail hole. One lousy little nail hole will let the water in, believe it or not.

MR. MCMILLAN: It goes that way.

DR. BRONNER: Yeah, I mean, you

go, oh, my God, it can't be. But, anyway, so, we had water leaks there.

2.2.

Over at the Battle House we had a bigger problem. And as some of you know, we fortunately were able to convince the City to put its police precinct in our parking deck after we had that terrible situation where the wino/alcoholic/drunk raped somebody in our parking deck. And from then on, I worked with with the City, and the City put in, on the first floor of the parking deck, a full precinct; not just a cop or two, but a full precinct.

Well, we had to block that off because of the — when it floods in Mobile, as Tim would tell you, Water Street isn't named from somebody else. It is named for the water that comes in from the floods. So, we had to sandbag that, but it worked because we have back doors, obviously, and they can come in to function.

So, there was not a -- It was a

problem that we were used to and we could handle. What we are not used to, and we are trying to do the best to handle, is the roof of the old Battle House Hotel. That peeled. So, we had water on the top floor of that hotel that we are dealing with right now.

2.2.

My guess is, it will be anywhere from seven days to 14 days, and we will be able to get that under control. But we had to put a temporary roof on, and then we will put on a real roof again. But it just peeled it off.

So, if there is any questions on that, I will be glad to answer them. I think we — I know we have got it under control. It's just a matter of getting it back together. And the time frame is a lot better than the last time we had a hurricane, which took me about four to five months, if I remember, maybe six months, to really get through that.

There was damage at the golf

1 course at the Grand. There was damage 2 also at the golf course in West Mobile. 3 West Mobile, as Jim and I were talking 4 today, his power got back on -- how many 5 days did you say? 6 MR. FIBBE: I got back on in one 7 day. 8 DR. BRONNER: One day. 9 well, the golf course wasn't that fortunate. 10 It's taken us about almost a week, and we 11 had a number of trees down, which wasn't 12 super severe. Nothing like Opal where I had 13 to bring in people from Canada with 14 helicopters. 15 So, it was a few -- a few dozen 16 The Grand lost two or three big trees. 17 big trees. Normally they don't go down. 18 They survey these hurricanes pretty well. 19 But they were, you know, almost a 100 20 years old so, they will go down. 21 We had one go in the -- I call 2.2. it a pond, but it's really the -- you know 23 when you drive into the Grand, on the

right-hand side, all the water with fountains and everything? We had one go in there. So, we have got it under control.

2.2.

And as I said, that should be operational next week. The golf course might be two weeks before it functions, because you want to — you want to — the hard part about a golf course, and that's why when you had Opal, I had over 30,000 trees down. And if you send in the good ol' boys, you might as well just close up the golf course for about two years, because when they drive in with the trucks, they are going to wreck the sprinkling system. They are going to wreck the terrain. They are going to wreck everything.

So -- but we don't have to do that. Our guys will handle it. We -- What we do is the same thing we have when we have personnel problems at the Trail; we bring in somebody from another site.

And other than that, that's probably what you need to know.

2.2.

We have had some personnel problems at the Trail. We had another robbery in Birmingham. And so, somebody had to be discharged there because they didn't follow the rules that we put down. And then, shortly thereafter, we had an assistant pro up there, and I got on to this, God, it must have been 10 years —20 years ago, over at Opelika. I was sitting in the restaurant afterwards, and I was listening to two people that worked there dividing up the stuff they found during the day.

So, that didn't work out for those two people. And that's what we had happen in Birmingham where some guy kept calling back about his range finder.

That's what you can tell the distance from a golf ball from the pin, or you shoot the pin and it tells you how far it is: 210 yards, 90 yards, whatever. And they are

1 expensive.

2.2.

And, anyway, he had taken it and put it on E-Bay. And, now, think of this one. Now, not very many people, when you buy something — at least I'm terrible at it. If I buy something, I throw the box out before I even know it works, usually. Well, he kept the box. So, when it came up on E-Bay, that this instrument was being sold on E-Bay, he not only had the box, but he had the code number on the box which went with the thing. So, he had to be discharged.

So, we are a little shorthanded right now for golf directors and things, because we have gotten rid of two or three of them in the last, really, 90 days for various reasons. But the criminal ones are the ones that bother me the most.

So, if there are no questions on the damage of Sally, I'll turn it over to Marc.

All right. Marc, it's all

1 yours.

2.2.

INVESTMENT PERFORMANCE UPDATE

MR. MARC GREEN: Thank you. The second tab in the book, page 20, is the investment performance. This will cover the period through July 31st, so the first ten months of the fiscal year. I will concentrate on the column in the middle, FYTD.

The first block, per usual,

Domestic Equities, our return was 6.76%.

Benchmark was almost 8%. We've been

underweight within the core fund, the FANG

stocks, if you will: The Facebooks,

Amazon, Netflix, Google. We view them

rather expensive, so we are underweight

there. And they continue to kind of run

in our face as the low interest rate

environments really propped up equity

valuations for growth companies.

The other issue, if you can look at the S&P 500 Index Fund, return is 10.49 versus the S&P 500 of 11.67. Most of that

difference is collateral. We have had to post on our put spread collars. But with the market having come back off in September, as Dr. Bronner talked about, a lot of that money is going to flow back in. So, we expect that performance to be pretty close to inline.

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The next section, International Equities, our return was -5 basis points. The benchmark is 1.21%. A couple of issues there. Emerging markets, the two ETFs that we use have not really tracked their benchmark very well. There is nothing we can do about that, as well as we sell puts and calls around the core position, and we had puts out in March when the market imploded, and we got assigned -- we had, I think the 39s, 38-and-a-halfs, 38s, and the EM went out at, like, 32 that month. But, currently, it's back to 44. So, we are back in the black substantially, but that was a short-term hit to performance.

The last two lines, Total Global
Equity, our return was 5.27% versus our
benchmark of almost 6.5%.

So, that covers public equities.
Page 21, first line, fixed
income, return was 8.75%. You can see the

2.2.

income, return was 8.75%. You can see the Barclays Agg was 7.91%. So, we did better than our benchmark there.

Private placements up 8.69%.

Preferred and privates up half a percent.

Blending those two, up 1.9%. Real estate,
as you are aware, we get it appraised once
a year, so there is no return there until
after fiscal yearend. So, our total
alternative return was 80 basis points,
folding in fixed income with alternatives,
the return was 4.28%.

Dropping down to cash, our return was 1.30%. And lastly, the total plan policy — or the total plan return was 4.97% versus plan policy of 6.61%. And through the close of yesterday, the fund was up 5.6%. So, a little bit better

1 than what we are seeing here, even with 2 equity pullback. 3 So, that concludes ERS 4 performance. 5 Any questions there that I could 6 try to address? 7 MR. BUTLER: Marc, the 5.6% still 8 doesn't have real estate in it? 9 MR. MARC GREEN: No. That just 10 catches up all the public market securities. 11 So, the privates that were valued in March, 12 as well, about 6% of that, and about 9.5% of 13 real estate are still kind of stale. 14 All right. Page 22 gives you 15 the pie chart of your asset allocation. 16 Between international and domestic 17 equities, you can see about 63.5% is 18 dedicated to that space. Fixed income is 19 almost 13%. Private placements, private 20 equity is about 6.5%. Real estate, a 21 little over 9%. And cash, almost 8%. 2.2. So, that concludes the ERS 23 performance. Do you want me to run all

1 the way through Judges or sort of drop --2 DR. BRONNER: Sure. 3 MR. MARC GREEN: Okay. All 4 Judges starts on page 23. Again, 5 U.S. Equities at the top, the return was 6 7.77% versus the benchmark of 8.67%. Under 7 International Equities, a return of -82 8 basis points versus a benchmark of plus 42. 9 The last two lines, our return was 5.84% 10 versus our benchmark of 6.84%. 11 Page 24, fixed income return was 12 8.06% versus the Barclays Agg of 7.91%, so 13 a little bit ahead. 14 Under Alternatives, Private 15 Placements, up 10.11%. Preferred and 16 Private Equity, 9.91%. Blending those two 17 together is 10.1%. Real estate again is 18 zero. So, your total alternatives with 19 real estate folded in is 2.18%. Folding 20 in fixed income, the total return was 21 7.67%. Cash, again, was 1.33%, and the 2.2. total plan return was 6.27% versus 23 benchmark of 6.94%. And this fund,

1 through yesterday, was up 6.9%. 2 Flipping to page 25, this again 3 is the pie chart. Total public equities 4 within Judges is 65.6%. Fixed income, a 5 little over 25%. Private placements and 6 private equity, a little less than half a 7 percent. Real estate 1.3%. And cash at 8 7.6%. 9 So, that concludes the Judges 10 performance. Questions or comments? 11 (No response.) 12 MR. MARC GREEN: Having none, 13 This is the Universe Peer page 26. 14 Performance Report. This is as of the end 15 of June, so 6/30/2020. The fiscal 16 year-to-date column would be the column that 17 says "three quarters" so, that would cover 18 October 1 through the end of June. 19 The ERS plan return of 1.77% 20 ranked in the 49th percentile. JRF at 21 2.89% ranked in the 33rd percentile, and 2.2. you can see the median return was 1.65%. 23 So, both plans were ahead of the median,

1 and you can go out to the out-years, as 2 well, at your leisure. 3 MR. FIBBE: Are there any 4 questions? 5 (No response). 6 MR. FIBBE: I have no questions. 7 Thank you, Marc. 8 MR. MARC GREEN: Okay. I have 9 got two more quick pages if you want me to 10 hit them. 11 MR. FIBBE: Go right ahead. 12 MR. MARC GREEN: Okay. Page 27 13 and 28 is just a snapshot of the Investment 14 Policy Compliance Report. As of 9/7/2020, 15 you can see ERS is within the compliance 16 range as set forth by the IPS, adopted by 17 the Board. 18 Judges, as of this date, was out 19 of compliance. We had 22 basis points 20 more cash than was set forth in the range. 21 And we had sold a percent-and-a-half of 2.2. S&P 500 out of both ERS -- well, TE and J, 23 and with this pullback we added back 1% in

1	the Judges to bring it back within
2	compliance, but we brought it back at a
3	much lower level.
4	So, that concludes my report.
5	MR. FIBBE: All right. Does
6	anybody have questions? Any Board members?
7	(No response).
8	MR. FIBBE: I don't think there
9	are any. Thank you.
10	MR. MARC GREEN: All right.
11	Thank you.
12	MR. FIBBE: The next item is the
13	Report on Actuarial Valuation of ERS and
14	JRF, from Cavanaugh Macdonald.
15	DR. BRONNER: There he is. As
16	cute as he can be.
17	REPORT ON ACTUARIAL VALUATION OF ERS AND JRF
18	MR. LANGER: Good morning,
19	everyone. Larry Langer from Cavanaugh
20	Macdonald. With me today is Cathy Turcot
21	and Ed Koebel, as well.
22	We are here to present the
23	September 30th, 2019, valuation. It's the

valuation from almost a year ago. And this valuation determines the funded status as of that date and the rates — the contribution rates for fiscal year ending September 30th, 2022. So, anything that's happened since that time frame is not reflected in this valuation. We will be back in the spring of next year, either via Zoom or Webex or in person hopefully, to discuss results as of September 30th, 2020.

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2.2.

The purpose of the valuation is, it generally is to accumulate contributions over the course of each member's career, so that when they retire, there are sufficient funds on hand to pay those retirement benefits. And we do this through this actuarial valuation process, which I like to think of as a glorified budgeting process. Maybe a little bit more complex than some budgets, because we are dealing with a lot of different risks, such as how long people live and what type

of investment returns there are, and things of that nature. But again, it's a glorified budgeting process.

2.2.

So, every year we update this valuation because we make use of a lot of estimates. There are assumptions about what we think will happen, and we replace it with information that actually happens.

And so, you know, for the year ended September 30th, 2019, we had returns in the mid-twos, and we were anticipating 7.7% year-over-year in the valuation, and there are a few other items that were a little astray that we will get into a little bit later on in the presentation.

With that, I am going to go into the valuation reports.

First, the valuation report
that, it says, the report on the actual
valuation on the Employees' Retirement
System of Alabama prepared as of
September 30th, 2019. You are worried
that I am going to go too fast. That's

probably not a worry all that much. But I am monitoring a little chat box off in the side if you-all have questions and things of that nature. And if you have any questions, please put them there, and I will try to look at the screens, as well.

2.2.

So, the first page we are going to work our way to this report is page one. And we have summary pages throughout this report that's sort of in triplets that will have results for State

Employees, then we will get into results for State Policemen, then and summary of results for local employees. We actually do around 900 different valuations for locals, but we have some summary of statistics in this valuation report for that.

So, on page one, we have the core summary of results. And if you are so inclined to keep a favorite page in your valuation report, this would be the one to take out and stick to your

refrigerator. This contains all the key numbers for this year's valuation, as well as last year's. You can see in the left column we have results as of September 30th, 2019, and the right column, we have the results we presented last year for September 30th, 2018.

2.2.

In the top, we had some information about the participants within the fund. The number of active participants fell slightly from last year to this year. A compensation did go up. We do anticipate compensation goes up from year to year.

The number of retired members and beneficiaries, that went from 24,187 to 24,544. We do anticipate that people retire and are added to the retirement rolls, and similarly they pass and they are subtracted from the rolls. So, we don't anticipate growth within those numbers over the course of time. So, that's not anything to worry about.

Assets, we have the actuarial value of assets, as well as the market value of assets. The market value of assets is the items that Mr. Green reports on. The actuarial value of assets is what we make use on to keep contributions smoother than they otherwise would be.

It's an averaging of the value of assets over the course of five years.

2.2.

You will notice throughout the report we have several summaries of information, like active members, retiree members, market value of assets, summary of planned revisions. And as trustees of these funds, I encourage you—all to take a look and make sure that the information that's contained in those summaries is consistent with your understanding of the plan.

We work with staff to make sure that we have a consistent understanding with what's — with what we contain within the valuation, but we've put this

information in here, again, to make sure that we understand that the basis for the valuation is appropriate.

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2.2.

The staff — we wouldn't be able to did this without staff. Diane and Taylor and the rest of the staff do a wonderful job of making sure we get this information in a reasonable fashion. And without them, we would not be able to do that. So, if it's appropriate, you can give them a socially distanced hug.

Midway through the page, we have the unfunded actuarial accrued liability. This is the difference between the amount of money that should be in the fund and the amount of money that is actually in the fund. You can see right now it's somewhere around \$3 billion for the State employees. The funded ratio is a comparison to the — of the actuarial value of assets to the liabilities of the fund. You can see right now we have 62.3% of that money within the fund. And

that — sometimes you can get hung up on national averages. I like to say it's nice, but, you know, you don't want to compare yourself to the Joneses. You want to compare yourself to yourself, but right now that average tends to be hovering somewhere in the low 70s, like 71%, 72%.

2.2.

The primary — besides the funded ratio, the other primary result of the valuation is the contribution rates.

These are the contribution rates that will pay off the cost of benefits accruing for the participants, as well as pay off that unfunded actuarial accrued liability I just mentioned. And you can see that we have rates here for year ended

September 30th, 2022, based upon this valuation, and for year ended September 30th, 2021, based upon last year's valuation for comparison purposes.

You have contributions broken down into a few different pieces. The first is the normal cost contribution. We

1 show that for Tier 1 and for Tier 2. 2 There's different benefit provisions in 3 effect for people hired before or after 4 January 1, 2013, and we split those out so 5 that the rates can be applied accordingly. 6 The normal cost rate of .94%, that's after 7 netting out the rate that the members ship 8 You can see that for Tier 1, .94% is 9 more than the .55% rate. Normal rate for 10 Tier 2, and that's because the benefits 11 are a little bit more generous. 12 there's more benefits provided to Tier 1. 13 Contribution to the accrued 14 liability is a contribution necessary to 15 pay off that unfunded liability mentioned 16 earlier. All members, I have 17 contributions made on their behalf. 18 of the accrued liability that currently 19 totals 13.52% compared to 13.29%. And 20 there's contributions for the death 21 benefit of .02% of administration of the 2.2. unfunded .35%.

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Any comments or questions?

And

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1	I'm going to cover this for a couple more
2	plans. But it will go a lot faster, I
3	promise you.
4	MR. FIBBE: Are there any
5	questions?
6	(No response).
7	MR. LANGER: You're not beyond
8	the chat. I'll return.
9	MR. FIBBE: I don't see any
10	questions, Larry.
11	MR. LANGER: I don't see any
12	questions, but and these are new glasses,
13	so, I have confidence in them.
14	Okay. I'll move ahead to State
15	Policemen on page two.
16	The story is very similar here.
17	The funded ratio is a little bit lower for
18	State police, but the funding policy is
19	similar. I think the other notable thing
20	here on page two is that the normal rate
21	contribution for the pre-2013 folks at
22	10.36% of pay for Tier 1, and it's 1% for
23	Tier 2. And you will see that there is a

bit of volatility in the Tier 2 amounts, and it's that population of actives not covered under Tier 2 grows over time.

That normal cost rate is designed to stay relatively level from year-to-year, but the accrued liability amount will be volatile and shift from year to year. But you can see that 41.49% of pay is going towards paying off the unfunded liability of this fund.

2.2.

And you might say, well, my goodness, that's a lot. And at Cavanaugh Macdonald, we work on a lot of plans within the United States at the State level, and it is not uncommon for the payment to the accrued liability to pay off the unfunded liability to be much larger than the payment to the contributions accruing today. So, that's relatively normal on this day and age.

I'll move on to page three. We do individual reports for of all the local employers within the plan. Here we just

have a summary of the participants within the plan. The market value of assets is \$7.2 billion, and the unfunded liability at \$2.6 billion. Funded ratio is a bit better here. Primarily, I think some of the locals are dipping in a bit more than necessary, and the funding policy looks for a bit more contributions to the fund.

2.2.

But you can see here, we don't list out a contribution rate, because we develop a contribution rate for each and every one of the local employers within here. So, we just — you know, what we put down varies here. If you want to know for a particular local, you have to dig into that particular.

We will move on to a different set of results here. Get a little bit more into the -- oh, I am sorry. On page four, here we have a summary of all the results across all the elements that we talked about on page four. You can see that across the whole fund, the funded

ratio is about 68.2%, a little bit of a dip from 68.7%.

2.2.

We did anticipate a little bit of a tick up in the funded ratio from one year to the next to the extent that all the assumptions are met. You know, it's at 68.7%, maybe getting up to like 69.25%, or 69.5%., a slow and steady increase in that funded ratio over time. But the reality is that — the reality is that things don't go as planned, and this past year is one of those years.

Page six. So, moving on to page six. We have a summary of active members as of September 30th, 2019, split out amongst the three groups we discussed. We talk about Tier 1 and Tier 2. There is still more Tier 1 members than Tier 2 members; but over the course of time, over the course of a generation, everyone will be part of the Tier 2 benefit plans, and the contribution rates will be a little bit lower as a result of that as people

migrate towards that second Tier benefits.

2.2.

Move on to page nine, we have a summary of the retirees and the annual allowances broken across each of the groups here. Again, this amount grew from last year. In the snapshot as of September 30th, 2019, you have a total allowances of \$1.13 billion paid out annually from the fund, and that has certainly grown, I'm sure, since last year when this report was — the as of date for this report.

The next slide I want to talk to is on page 21. So, this will take a minute or two. I have got a really fast mouse, but I have got really slow fingers.

On slide 21, we are going to talk about gain or loss. And I am sorry — let me — I found another favorite page. Page 19. Pause for a minute here.

The point of the gain/loss, and it's an unfortunate term, but the point of

1 gain/loss is to put a dollar figure on the 2. amount of difference between what we 3 thought the unfunded liability would be as of this valuation date and what actually 4 5 happened. And you can see on page 19 we 6 reconciled and developed an expected 7 amount of unfunded liability for the fund 8 under item eight and the actual amount of 9 unfunded liability for the fund under item 10 And then we have something called a 11 "total gain/loss." You can see for the 12 State employees -- for the State 13 employees, we have a loss of \$146 million. 14 That means the unfunded liability under item ten is \$146 million more than we 15 16 anticipated. And for State Policemen, 17 it's \$9.9 million more than anticipated. 18 And we refer to that as an actuarial loss. 19 That's an unfortunate term, but that's our 20 shorthand for it. 21 And if you move on to slide 19, 2.2. we get into the breakdown of that \$146 23 million for State Employees, and \$9.9

million for State Policemen. We get into a breakdown of where most of that came from. And much of this — Typically the change you would see would be as a result of investment return. Remember, we have a smooth investment return. We average it out over the course of a five-year period. And despite having a return of somewhere in the mid twos, on that smooth basis, we are awfully close to the 7.7% expected returns.

2.2.

So, the investment return, because we are smoothing, contributed very lovely — very little to the additional unfunded liability. It did contribute a little bit, but only .25% of the accrued liability. So, \$19 million for State, you can see almost in the bottom sixth of it, and \$1.6 for State Police.

A larger driver was, in the middle of the page, salary increases being more than anticipated was what drove higher liabilities of the fund, which

drove higher unfunded liabilities.

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2.2.

Retiree mortality: People are living longer than what's anticipated within the valuation. That's the other big constrictor.

So, a little bit of an odd year where an investment return is not the biggest contributor to increased or decreased need unfunded liability. But this has been an odd year. So, it sort of ties together and makes sense.

You can -- on slide -- or page 22, we have a history of the financial experience. You can see we show the experience not only for the year ended 2019, but 2018 and 2017. We review this information and a lot of other information when we go to set assumptions. We set assumptions after the 2021 valuation and a couple of the trends. You know, what we look for is if we have consistent trend of increases or decreases in unfunded liability, losses or gains. And another

1 one that sticks out here seems to be 2 for -- I had one written down. 3 here -- oh, the age and service, retirements for State Employees seems like 4 5 we are consistently having a gain there. 6 We are anticipating when they are going to 7 retire, and they are not retiring as fast 8 as we can see. You can see on the first 9 line right there. A lot of them are a 10 mixed bag. You know, some good years, 11 some bad years, or some years where there 12 are increases or decreases from what we 13 are expecting. 14 But we will make recommendations 15 in a couple of years with regard to having 16 the assumptions in the change. 17 Moving ahead a little bit 18 faster, I don't see questions -- good. 19 Moving ahead to slide 37, 38, 20 39, here we have a summary of the 21 actuarial value of assets. And I don't 2.2. want to belabor this a whole lot, but the 23 whole point of the actuarial value of

assets is, you know, we saw a little bit of change in the contributions to the unfunded liability this past year. It would have been much more had we just based things directly upon market. We have shown that 2.5% return, compared to the 7.7% return. The contributions would have increased a bit more than expected. Similarly, if we had returns better than 7.7%, it would decrease a bit more. And that type of volatility strains budgets, so actuaries for years had made use of this actuarial value of assets.

2.2.

The overall thing to take here, it's a nice stack of numbers here on pages 37, 38, and 39 for the three groups we talked about. We are just trying to keep contributions more level than they, otherwise, would be. And sometimes people look at it and say it's actuarial voodoo. I don't look good in voodoo clothes. It's not voodoo, it's just to keep the contributions level.

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Moving ahead to 40, 41 and 42, here is a summary of the market value of assets as submitted for the plan. And you can see that -- the thing I like to take an eyeball at is, you can see that the receipts for the period of contributions for, in this instance, for the State Plan on page 42, are just over \$700 million worth of contributions coming in. And we had benefit payments of \$1.1 billion go out during the year and another \$50 million in refunds to members.

So, if you are trying to pay that out of cash right now, if you didn't have this pre-funded, that would be onerous for those folks to have to pay these benefits. Well, this gets into the benefits of pre-funding. You can see this past year \$324 million worth of investment income, which was used based upon the return of about 2.5%. So, you can see if you get typical incentives on average, that's more than enough to cover the

benefit payments and on top of that increase the funded status of the plan over time.

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So, you have similar -- I am sorry. That was for all the plans. We don't have separate slides for the market value of assets. My apologies for that. But you can see the benefits of pre-funding on that slide.

Finally, on page 56 of the chart, we talk about the payment of the unfunded liability of the plan. We have a projection of the payment schedule and a projection of what we think the unfunded liability could look like over the course of time. And here we have it, for page 56 for State Employees, we have on for 57 and 58 for State Police and locals on the next slide. The story is rather similar.

A couple of things to note: We pay out the unfunded liability by 2056.

That's a bit on the long end, frankly, but you know, the payment of the unfunded

liability is the balance between, if you could pay it off sooner and just like paying off your mortgage sooner or your house sooner, it costs more money to do that. And so, when developing a funding policy, you want to be mindful of paying things off in a reasonable fashion. They also make constructing contributions that are budgetable.

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We have been working towards taking opportunistic looks at paying off the unfunded liability faster or reducing the discount rates of the plan. You will recall last year we dropped the discount rate from 7.75% to 7.7%. We also looked at paying down this unfunded liability maybe a little bit faster with good positive experience from the fund, as necessary.

So, here we have the \$3 billion worth of unfunded liability that we talked about earlier, and the payments towards that unfunded liability over the course of

time. The payments are scheduled to grow over the course of time. That's common in the public sector. The projected unfunded liability, that actually is growing, as well, and it peaks in 2027 and eventually gets paid off by 2056.

2.2.

The peaking that — you know, the growth over the next two years is a little bit longer than anticipated, but it is not uncommon to see that type of thing within the funding of pension plans.

Again, as you try to strike a balance — strike a balance between affordability and — of the plan, as well as affordability of making the contributions and making sure that the benefits are secure.

That is it for prepared comments here. I was going to shift gears to Judges, which will be about two minutes and then some other comments. I don't see any protests right now. So, I am going to open up the Judges valuation report, which

I think you-all have in your packages.

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This is going to be rather quick, because the story is rather similar here as it is with the big State plan.

So, I am going to start on page one. This report, and you can see on page one we have a familiar story here in terms of summary of the membership within the plan, the assets of the plan. This is — that's hundreds of millions of dollars, not billions of dollars. The Judges' plan is a bit smaller. We have unfunded liability of \$164 million here. It grew a bit over the past year. We will talk about that real briefly.

Here, the contributions to the fund, again, like what we saw in the previous plans, most of the contribution goes to the accrued liability. A contribution grow over the past year, and we will talk about the fact that there were a little bit of losses to the fund; losses with regard to the experience on

1 the plan.

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The normal cost rate is a bit higher. The Judges' benefits are accumulated over a little bit shorter period of time and a little bit more than the other benefit provisions. But on the flip side, Judges also tend to retire later, which sort of offsets those costs.

Moving ahead to — moving ahead to slide or page — sorry, my clicker — slide or page 14. Slide 14 we have, you know, the velocity this past year of \$13.8 million. And the primary driver of that is similar to what we saw in the other plans. Retiree mortality, that's something we will take an eyeball at when we review the experience of the fund, but \$4.7 million towards retiree or liability. And age and service retirements, earlier retirements anticipate on \$8.3 million, which is a little bit of a reversal from what we saw, I think, on the State Employees.

Finally, near the back of the report, we have a projection of the unfunded liability. And here the payoff on this is a little bit shorter. You will see when we actually get to that page.

2.2.

On page — page 44, you can see the amortization of the unfunded liability. Here we notice that it doesn't increase, because we are amortizing this over a little bit shorter period of time. You can see we actually get to a point of being slightly overfunded in 2043, so a little over 20 years from now. And that's just part of the funding policy for this particular plan.

So, you should see this one fund up a little bit quicker. You know, 1.5% to 2% increase in the fund ratio per year compared to the other plan.

That's it for that prepared comments on the valuation reports. I don't see any questions, which probably means, you know, we all did a really

fantastic job of pulling this together.

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A couple of comments on what's One, we -- over the past few years, we have tended to be there in December to give a sneak peek as to what the September 30th, 2020, valuation will look like. We won't have that valuation prepared until late spring of next year. But we can take a look at what the markets -- an estimate on the market returns through September 30th, 2020, and we can do a projection based upon those returns on last year's results to go a sense as to where contribution rates and funding status will go, just to give a sneak peek. We look forward to that in December. It might be through this Brady Bunch platform or perhaps in person.

We get questions from time to time on what do you see on impact of COVID on plans. Remember early on, you know, that is the first thing that pops in our mind is what if this is going to go nuts

on returns. Thank the Lord that there were no plans that had a March 15th valuation date when it was common for year-to-date returns to be -10%, -20%, -25% and has really disastrous results on the funded status and the contributions for the fund. But that seems to have mollified a little bit and probably isn't as big a deal as we were afraid of six months ago.

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It still looks like there is impact. The June 30th val seem to have returns that are a bit shy of the assumed returns, and that may be the case here for September, but it is not the returns that would have been, quite frankly, a result in large increases in contributions that we were seeing six months ago.

That gets us to the other topic that is near and dear to actuaries' hearts. People have been asking about mortality. You know, are we going to — what's going to happen with mortality in

the fund? Are you going to implement a different mortality table? And the quick answer is "no."

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public sector mortality table. The first time the sign of experts to have the mortality table devoted distinctly for public sector plans. It was just rolled out about a year-and-a-half ago, and, of course, it was already outdated based upon these results.

But I know, you know, the mortality in this COVID is a big impact on individuals, but when we look at the funds as a whole, you know, it doesn't have a big impact on the fund as a whole. And that is, you know, to the extent that people pass from this will reflect it in the valuation after members pass. We do anticipate there might be pockets of this in certain venues. But, again, we will reflect this as it comes along. Any change of mortality that we would

recommend in a couple of years is going to be mostly due to the other trends that we see. It won't necessarily be for COVID.

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And, finally, the last piece is retirements. And this will have probably a little bit more immediate impact on the valuation. We hear rumors of pockets of employees that, you know, just decided that now is a good time to retire. You see it more so in teacher plans here and there.

You know, for the groups where they are like, okay, now I have to videotape a lesson plan to elementary school kids, I can't fathom what that's like. But, you know, on this side of the house, in the State Employees, public safety and folks of that nature. You can see that potentially pushing ahead retirement. Antidotally we have heard that from some retirement systems. We will look for that. Maybe we will have some losses due to our participants

retiring earlier than anticipated.

But that really is the end of

all of our prepared comments and

2.2.

all of our prepared comments and unprepared comments. If you have any questions, I am looking at — I don't see any questions. We really appreciate your time. We hope you—all stay safe and enjoy the rest of your days.

MR. FIBBE: All right. Thank you, Larry.

Anybody have any questions? (No response).

MR. FIBBE: I don't see any questions on the Board's part. Thank you for that report.

We will move on to the next item on the agenda, and that's Mr. Yancey for some approvals on local units, and I understand you have got some — you gave us a supplemental list of local units. And you probably anticipate some more coming in before the deadline that you would like an action on.

1 MR. YANCEY: We do. 2 So, if you will MR. FIBBE: 3 explain all that. **APPROVALS** 4 5 MR. YANCEY: Thank you, Mr. 6 Chairman. On page 29, we have one new unit 7 that is requesting to participate in the 8 Employees' Retirement System. It is the 9 town of Ider. Being a municipality, it 10 should be perpetual in existence, their 11 funding, their cost from town sales tax. We 12 have reviewed their information and find 13 that they appear to be financially stable. 14 They have 11 employees, and they request to 15 begin participating in the Employees' 16 Retirement System, and the staff recommends that the Board approve their request. 17 18 Okay. MR. FIBBE: Thank you. 19 You have heard the recommendation from 20 staff. Are there any questions? 21 (No response). 2.2. MR. HARER: Motion to approve. 23 We have a motion from MR. FIBBE:

1	Mr. Harer. Do we have a second?
2	MS. STATUM: Second.
3	MR. FIBBE: Mr Ms. Lisa did
4	you do that.
5	MS. STATUM: I think we both did
6	it at the same time.
7	MR. FIBBE: Okay. Either one.
8	Ms. Statum or Mr. Kelly, one of the two or
9	both.
10	Any further discussion?
11	(No response).
12	MR. FIBBE: Hearing no
13	discussion, I call for the question, all in
14	favor signify by saying "aye."
15	(Board members saying "aye".)
16	MR. FIBBE: Any opposed, like
17	sign?
18	(No response).
19	MR. FIBBE: Motion carries
20	unanimously.
21	MR. YANCEY: Thank you. By the
22	way, if anybody wants to know where Ider is,
23	if you take I-59 North and get off at the

Mentone exit which is the last one before you hit Georgia and go North and West from there, that's where Ider is. I didn't know where it was. But it's about as far Northwest as you can get.

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Item B, we have got it labeled as re-enrollments. There really are no retiree re-enrollments here. Item B is really going to be approval of units electing to -- local units electing to provide Tier 1 retirement benefits to their Tier 2 employees under Act 2019-132. The units on pages 30 through 34 are the units that have submitted a request prior to the time that we put this book together. There are 213 of them in there. The supplemental -- I hope everybody got The supplemental list has 70 one. additional units that have applied after we had the book completed.

So, I would like to make a motion that the Board approve the request of these units to grant Tier 1 retirement

1	benefits to their employees.
2	MR. FIBBE: Okay. You have heard
3	the recommendation of the staff. That's a
4	total of, what, 283 units, I believe.
5	MR. YANCEY: Yes, sir.
6	MR. FIBBE: Do I hear a motion to
7	approve that?
8	MS. STATUM: I make a motion to
9	approve.
10	MR. FIBBE: Ms. Statum has the
11	motion to approve. And I need a second.
12	MR. HARER: Second.
13	MR. FIBBE: Mr. Harer seconds.
14	All in favor signify by saying "aye."
15	(Board members saying "aye").
16	MR. FIBBE: Any opposed to the
17	motion, like sign?
18	(No response.)
19	MR. FIBBE: Mr. Harer, do you
20	have a question?
21	MR. HARER: I have a question.
22	Is that 283 altogether, or is that
23	MR. FIBBE: I just added the two
	Tan Table added the two

1 lists together. 2 MR. YANCEY: That's the total 3 that you are approving at this meeting. 4 MR. HARER: So, all together we 5 are --At 350. Sixty-seven 6 MR. YANCEY: 7 that you have already approved, and you can 8 see that the numbers are picking up as we 9 get closer to the deadline. 10 MR. FIBBE: We had a motion, and 11 a second, and a vote, and the motion carried 12 unanimously. 13 MR. YANCEY: Thank you, 14 Mr. Fibbe. I would like to ask the Board, 15 we have -- the way that Act functions is 16 that local units that elect to 17 participate -- begin participating on 18 October 1st of the -- following their 19 election. So, we have got about ten more 20 days almost. I would like for the Board to 21 grant us permission to allow units to 2.2. participate October 1 that come in between 23 now and October first. We'll bring those

1	units back to the Board for ratification at
2	the next meeting. But if they don't start
3	this October, then they couldn't start until
4	next October. It can't be made retroactive.
5	So, we would like to and you
6	can see the number 70 that came in since
7	we put the book together. So, we are
8	you know we have got quite a few of them
9	coming in at the present time. So, if the
10	Board would, I would appreciate such.
11	MR. HARER: I would like to make
12	that motion.
13	MR. FIBBE: We have a motion. A
14	second?
15	MS. STATUM: Second.
16	MR. FIBBE: A motion and a
17	second. Is there any discussion?
18	MR. HARER: I would like to say
19	thank you for allowing us to do that,
20	because we know that cities are strapped to
21	try to financially to try to do things.
22	And if that pushed them back one more year,
23	it's one more year that that due the

1	backpay for employees who are hired on since
2	2013. So
3	MR. YANCEY: Thank you, sir.
4	MR. FIBBE: Any other discussion?
5	MS. STATUM: I would like to
6	thank the staff that I bother with emails on
7	these the questions about this.
8	Mr. Kelly, Mr. Frost, and Debby, thank you
9	very much for answering the questions that
10	I've had over the last few months concerning
11	this.
12	MR. FIBBE: Okay. We have a
13	motion and a second. Let's call for a vote.
14	All in favor signify by saying "aye."
15	(Board members saying "aye").
16	MR. FIBBE: Any opposed, like
17	sign?
18	(No response).
19	MR. FIBBE: Hearing none, the
20	motion carries unanimously.
21	Thank you, Mr. Yancey. Yes, Mr.
22	Harer.
23	MR. HARER: I would like to say

1	one thing, and I do apologize to Bill. Can
2	we get an actual physical number? I know it
3	changes every day about how many not just
4	the cities, but the employees that have been
5	changed, or whose retirement has been
6	affected. Like I said, not today, not next
7	week, but, like I said, it keeps changing,
8	but sorry, Bill.
9	MR. YANCEY: We can it's an
10	ever-changing number, but we can come up
11	with an approximation, yes, sir.
12	MR. HARER: Okay. Thank you.
13	MR. FIBBE: Okay. That covers
14	all the items on our agenda. Are there any
15	other business that anyone wants to bring
16	forward?
17	(No response).
18	MR. FIBBE: I don't see any, or
19	here any. So, I think we're yes, sir.
20	MR. HARER: I would like to say
21	on behalf of the local employees' part of
22	the retirement system, that it would be
23	nifty if someone had a birthday today.

1	MR. FIBBE: Do what, now? I
2	missed that. I'm sorry.
3	MR. HARER: I would like, for the
4	record, to note that it's Lisa's birthday
5	today.
6	MR. FIBBE: Oh, well, happy
7	birthday.
8	MR. HARER: It would be nifty if
9	she had a birthday today. I'm not sure what
10	her age is, but it would be nifty.
11	MR. FIBBE: We wouldn't ask. You
12	never ask a lady what her age is.
13	MR. HARER: No, no.
14	MS. STATUM: It is not 29
15	anymore. Thank you.
16	MR. HARER: Happy birthday.
17	MS. STATUM: Thank you.
18	MR. FIBBE: Being no further
19	business, I want to thank everybody for
20	their attendance, both in person and also
21	electronically, remotely.
22	Dr. Bronner, did you have
23	anything else you wanted to say?

1 DR. BRONNER: No. I think 2 everything is so inclined. Marc and I are 3 just sort of on needles and pins waiting for 4 the next Board meeting to give you the 5 actual numbers of what happened. 6 probably the most confusing year that I have 7 ever seen in Wall Street. And as I think 8 the newspaper people pointed out to and when 9 you think of all the things that have 10 happened in '20 and we are not through it 11 yet, it's been quite remarkable to live 12 through it. I'm not sure I've enjoyed it; 13 but on the other hand, I just hope that we 14 can get a little bit of sanity, not only in 15 Washington and the rest of the world, but, 16 you know, we can proceed forward as opposed 17 to bouncing up and down. 18 You know, they used to laugh 19 about the Mexican jumping bean, but that's 20 about how I feel because I don't know 21 what's going to happen today because 2.2. yesterday's news is already forgotten.

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So, anyway, I appreciate you --

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all. I thank you for coming to the
meeting, and those that attended via

Skype, or whatever we are on, Zoom.

I know it's very informative.
hope you don't mind that since we will

2.2.

hope you don't mind that since we will have the regular investment details in the next meeting, so, then, we will have another short Board meeting thereafter, and I will see if there's one other. If any of you haven't chosen anybody, whether it's the hotels or whether it's the trails or 55 Water, to ask them to come and give you 15- to 20-minute presentation. So, if there is anything that bothers you or you would like to hear more about or be able to quiz the people that are on the front line, I will be glad to do that for you.

MR. FIBBE: Thank you. I think those people that come and make the little short presentations is very informative for the Board. And I appreciate them coming.

DR. BRONNER: Well, those are the investments that we are sort of in control

1 So, it's more that you would be, you 2 know, beat up by somebody on the street than 3 the S&P or, you know, the stock market or 4 the bond market. You know, we are a player, 5 but are certainly not controlling it. 6 So, we will be glad to do it. 7 If anybody has any suggestions, just give 8 me a call or Don a call and we will try to book them for, not the next meeting, but 9 10 the meeting afterwards. 11 MR. FIBBE: Thank you. 12 would like for things to calm down in the 13 world, but I don't think that's going to 14 happen for the rest of the year. So, just 15 16 DR. BRONNER: I agree. 17 MR. FIBBE: -- grab hold. 18 MS. STATUM: I think that the RSA 19 staff, I don't know what all has been going 20 on behind the scenes, but I know one thing 21 that I have noticed is the lunch webinars 2.2. that they started doing, the Kit's group is 23 doing. Those have been very informative,

1	just a way for people to they can be
2	instead of being left out of what's going
3	on, or what, they can get on there and see
4	all the little topics that we have a lot of
5	questions about. Those have been very
6	informative, and I want to thank Kit and his
7	group for doing those, because I have really
8	enjoyed those.
9	MR. FIBBE: Any other comments?
10	(No response).
11	MR. FIBBE: If there are none I
12	will entertain a motion to adjourn.
13	MR. HARER: Motion.
14	MR. FIBBE: We have a motion.
15	And a second. Any opposition to that?
16	(No response).
17	MR. FIBBE: In hearing none. All
18	in favor say "aye."
19	(Board members saying "aye").
20	MR. FIBBE: Then the motion
21	carries unanimously. We are adjourned, and
22	we will meet again when called.
23	

1	(Conclusion of ERS Board of
2	Control Meeting at 10:30
3	a.m.)
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