ANNUAL REPORT 2019





Just maybe, investing a'small percentage ur assets back into Alabama will pay off in more ways than we can imagine,

- Dr. David G. Bronner

More than 282,564 jobs have been created in 11 years as a result of RSA's investments in Alabama companies.

Mobile Skyline

To say RSA has made its mark on Alabama is an understatement. Of course, we contribute significantly through providing sound pension benefits to retirees at the lowest expense possible to the state. But in addition, RSA's strategic investments in Alabama have advanced the state's economy through development activities that help to attract or expand various industries and businesses, promotion of tourism, and major construction projects. It is truly a compelling story of how a public pension fund has improved the quality of life in Alabama.



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A LETTER FROM Dr. Bronner

The Boards of Control and the Retirement Systems of Alabama (RSA) staff are pleased to present the 43rd Annual Report for the fiscal year ended September 30, 2019.

he RSA currently manages 24 funds with aggregate assets of approximately \$41.8 billion. For fiscal year 2019, the Teachers' Retirement System (TRS) assets totaled \$25.3 billion, the Employees' Retirement System (ERS) assets totaled \$12.5 billion, and the Judicial Retirement Fund (JRF) assets totaled \$308.1 million. The annualized return was 2.63% for the TRS, 2.78% for the ERS, and 3.82% for the JRF.

The 2019 fiscal year got off to a rough start with equity markets performing poorly through the end of the first fiscal quarter, down nearly 14%. The Fed had raised short-term rates and trade war concerns were still running high. The new calendar year brought better performance as equity markets turned around and performed generally well through the remainder of the year. Despite a couple of small downturns, domestic equity markets did not experience the seasonal weakness usually seen in August and September: therefore, levels closed near their highs for the year. Domestic largecap equities turned in single-digit positive returns. However, domestic mid-cap and small-cap equities were still negative year over year. Emerging markets also finished slightly negative, as did international equities.

Fixed income had a very strong year, returning close to 9.5% for the fiscal year. With all the global and political uncertainty in the markets, the Federal Reserve reversed course and lowered short-term rates twice during the latter half of the fiscal year. This, coupled with stable economic data and optimism regarding trade talks, allowed fixed income markets to rally and credit spreads to remain steady, finishing the year on a positive note. Markets have continued to be reactionary around macroeconomic and political events, and we expect this to continue for the time being. We also continue to see fundamentals influencing performance as well as company earnings and strong balance sheets.

During the fiscal year, 55 Water Street, the RSA's office building located in New York City, announced the lease renewal for EmblemHealth. The company is one of the largest non-profit health insurers and has maintained its headquarters in the building since 2003. The transaction is one of the largest leases of the year in Lower Manhattan which will extend their lease for 15 years.



In other real estate news, Marriott International named the RSA's Riverview Renaissance Plaza Hotel in Mobile its "2018 Marriott Franchise Hotel of the Year" among Marriott's Distinctive Premium Hotels in North America. This award's honors are based on reviews for guest satisfaction, employee opinions, financial records, market share, and overall property performance. The Grand Hotel Golf Resort & Spa, Autograph Collection was also honored; *USA Today* named the Grand Hotel in its Top 5 Historic Hotels as voted on by industry experts as well as a public vote. Lastly, the Renaissance Birmingham Ross Bridge Golf Resort & Spa was named to *Golf Magazine*'s 100 Best Golf Resorts in North America. More than 3,700 golfers reviewed 250 golf resorts across North America for the rankings. This was the first time that Ross Bridge was named to *Golf Magazine*'s listing.

The staff will continue to purchase and develop investments that will facilitate the mission of the RSA. Our aim is to serve the interests of our members by preserving the excellent benefits and soundness of the Systems while providing these at the least expense to the state of Alabama and all Alabama taxpayers. With the continued cooperative efforts of the Boards of Control, the RSA staff, and the Legislature, this goal will be achieved.

Montgomery Performing Arts Centre

David G. Bronner CHIEF EXECUTIVE OFFICER

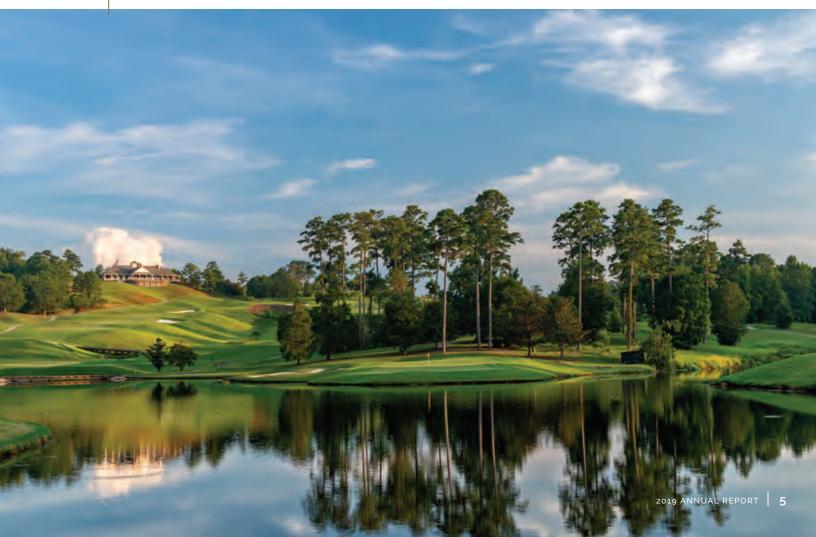
THE ROBERT TRENT JONES GOLF TRAIL



I wanted to improve Alabama and help ourselves so others would want to join us. I wanted to feature Alabama's natural beauty. I wanted to enhance the image of Alabama. I wanted to promote economic development in Alabama. I wanted something of which all Alabamians could be proud. I wanted something no other state had."

- Dr. David G. Bronner

Cambrian Ridge





The Robert Trent Jones Golf Trail is the largest golf course construction project ever attempted.

Over 13.5 million rounds of golf have been played on RTJ courses over the last 27 years—with its visitors spending money that benefits every part of Alabama. Now one of the top golf destinations in the world according to *GOLF* magazine, *Golf Digest*, and the Golf Channel, the Trail has international coverage with premier LPGA tournaments that will not only influence additional rounds of golf, but international attention for our state.

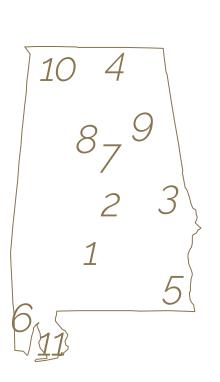
Tourism spending in Alabama

AS A RESULT OF THE TRAIL AND RSA TOURISM PROMOTIONS





2018



- 1 Cambrian Ridge Greenville, AL
- 2 Capitol Hill Prattville, AL
- **3** Grand National Auburn/Opelika, AL
- 4 Hampton Cove Huntsville, AL
- 5 Highland Oaks Dothan, AL
- 6 Magnolia Grove Mobile, AL

- **7** Oxmoor Valley Birmingham, AL
- 8 Ross Bridge Hoover, AL
- 9 Silver Lakes Anniston/Gadsden, AL
- 10 The Shoals Florence/Muscle Shoals, AL
- 11 The Lakewood Club Point Clear, AL

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RSA HOTELS, CONFERENCE CENTERS, & RESORTS

SOUTHERN HOSPIT

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6 Ross Bridge

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The RSA owns and manages eight upscale hotels,

including notable favorites from *Travel* + *Leisure*, *Condé Nast Traveler*, *Successful Meetings*, and other leading publications. As our hospitality ambassadors, these properties welcome investors to the state every day, and host some 2,500 national and international meetings each year. Not only are these hotels showcasing the best of Alabama, they also employ thousands of Alabama workers.





Shoals 3 Capitol Hill

- 1 Auburn Marriott Opelika Resort & Spa at Grand National Opelika, AL
- 2 Grand Hotel Golf Resort & Spa, Autograph Collection Point Clear, AL
- 3 Marriott Shoals Hotel & Spa Florence, AL
- **4** The Battle House Renaissance Mobile Hotel & Spa Mobile, AL

- 5 Montgomery Marriott Prattville Hotel & Conference Center at Capitol Hill Prattville, AL
- 6 Renaissance Birmingham Ross Bridge Golf Resort & Spa Hoover, AL
- 7 Renaissance Mobile Riverview Plaza Hotel Mobile, AL
- 8 Renaissance Montgomery Hotel & Spa at the Convention Center Montgomery, AL



Of the top four Alabama hotels ranked in 2018 by U.S. News & World Report, three are owned by the Retirement Systems of Alabama and are part of the RTJ Resort Collection including #1, The Grand Hotel Golf Resort & Spa, Autograph Collection (top left), #2, The Battle House Renaissance Mobile Hotel & Spa (bottom left), and #4, The Renaissance Birmingham Ross Bridge Golf Resort & Spa in Hoover (below).

6 **Ross Bridge**



RSA REAL ESTATE HOLDINGS & DEVELOPMENTS



RSA investments are making Alabama a great place to work and live.

Our real estate holdings are powerful recruiting tools that attract major companies to move to Alabama creating jobs, in addition to billions in increased tax revenue.

RSA's Battle House Tower (right) **is the tallest building on the Gulf Coast east of Houston**.



RSA has not only reshaped the skylines of Montgomery and Mobile, it has also helped to transform much of the rest of the state,

from Mobile's Battle House Tower to multiple blocks in the Capitol City, and from sprawling residential communities to key commercial developments.

First-class RSA real estate sit amidst historical landmarks in Montgomery

Residential Development at RTJ's Ross Bridge

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Revitalized Mobile landmark, The Van Antwerp serves as modern commercial space

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ECONOMIC DEVELOPMENT IN ALABAMA



UABLE PARTNER

Over the years, the RSA has partnered with Alabama state government, utility companies, and industrial leaders in virtually every major recent economic development success in the state.

This includes the introduction or expansion of the following industries: automotive, aerospace, biotech, information technology, distribution, metals, chemical, forestry products, electronics, plastics and rubber, railcar manufacturing, oil and gas, maritime, and agribusiness. The RSA played a substantial role in recruiting Mercedes-Benz, Honda, Toyota, Navistar, Hyundai, Airbus, and Thyssenkrupp to Alabama. And the RSA continues to be a major contributor to Alabama's growth, helping create a fiscally sustainable and vibrant state for the next generation.



RSA Investments in Alabama

ACON Alabama Energy Investors* / Tuscaloosa ADEM Laboratory* / Montgomery Alabama Cruise Terminal * / Mobile Alabama River Group, Inc.* / Monroeville Alabama River Chip Mill* / Monroeville Alabama River Recycling * / Monroeville Alabama State Bar Building* / Montgomery Barton AL Property / Florence Bell Microproducts* / Montgomery CIBA-GEIGY Chemical Company* / Mobile Circle S Industries* / Selma Colony at the Grand / Point Clear, Real Estate and Condo Development CNHI, LLC / Montgomery Conventional Mortgages* / Alabama Loans, Residential Funding, MGIC, FBS-were the servicers Danberry at Inverness* / Birmingham Daniel Senior Living, LLC* / Assisted Living Facilities in Huntsville and Birmingham Dole Foods* / Birmingham Dominion Senior Living of West Mobile*+ / Mobile Drummond Company* / Birmingham Dynamit Nobel Chemical Company* / Mobile Embassy Suites* / Montgomery Fairway Outdoor Advertising* / Statewide First Alabama Bancshares* / Birmingham GKN Aerospace / Tallassee Gordon Persons Building* / Montgomery Gulf Coast Exploration & Science Theatre* / Mobile IDB Southwire Med. Volt Cable Company* Heflin

Heflin IPSCO Saskatchewan, Inc.* / Mobile Kay Fairs, Inc.* / Theodore Kvaerner Oilfields Products* / Mobile Mercedes Benz U.S.* / Tuscaloosa National Village / Auburn / Opelika Navistar Diesel of Alabama, LLC* / Huntsvill Navistar Big Bore Diesels, LLC* / Huntsville *Fully Paid +Parking Deck

Office Buildings and Parking Decks:

> Alabama Center for Commerce+ / Montgomery

- > Alabama Center for Postsecondary Education / Montgomery
- > RSA Criminal Justice Center+ / Montgomery
- > RSA Dexter Avenue Building (Datacenter)+ / Montgomery
- > RSA Headquarters+ / Montgomery
- > RSA Plaza+ / Montgomery
- > RSA Tower Complex (Includes the RSA Tower, RSA
- Activity Center, Helen Hunt Early Learning Center, and RSA Pavilion)+ / Montgomery
- > RSA Union+ / Montgomery
- > Royal Street Parking Deck+ / Mobile
- > RSA Battle House Tower+ / Mobile
- > RSA 2 North Royal / Mobile

PPG Industries* / Huntsville

- > RSA Trustmark Building+ / Mobile
- > RSA Van Antwerp Building / Mobile

PCH Hotels and Resorts / Alabama Real Estate Holdings Management Company / Statewide Perdido Beach Hilton* / Gulf Beach Hotel Point Clear Partners, LLC* / Point Clear, Real Estate and Condo Development

Raycom Media* / Montgomery Robert Trent Jones Golf Trail / Golf Courses, Statewide Rohr* / (IDB City of Foley) RSA Resort Hotel Properties / Statewide Signal International* / Mobile SiO2 Medical Products / Auburn Springhill Medical Center* / Mobile SunBelt Golf Corporation Management Company / Statewide The Explore Center, Inc.* / Mobile The Shops of Grand River / Leeds USB-IDB United Technology* / Huntsville US Steel* / Fairfield Walmart Distribution Center* / Cullman Williamson Commerce Center* / Anniston

Wise Metals* / Florence World Marine* / Mobile



ADVOCATES FOR ALABAMA

LEGAL

In fiscal year 2019, the RSA Legal Division handled a wide variety of matters involving the many areas of law that pertain to the RSA's operations, including pension law, fiduciary and trust law, constitutional law, tax law, health insurance law, securities law, contract law, construction law, commercial real estate law, and employment law.

Litigation matters have continued to comprise a significant portion of the RSA legal staff's responsibilities. The legal staff has worked to defend the RSA's interests in court cases involving constitutional, statutory, and administrative issues. Cases litigated during 2019 have involved practice areas including real estate, health benefits, employment law, and corporate matters, among others. The RSA continues to litigate as necessary to protect the interests of its members.

Throughout 2019, the RSA legal staff provided legal advice and assistance daily on issues that arose during the course of business. The legal staff advised the RSA on items involving benefits and administrative operations, and provided guidance in resolving inquiries concerning contractual and statutory interpretation and application and in navigating state and federal regulatory requirements. The legal staff also provides training as needed on all aspects of the operations and governance of the RSA, PEEHIP, and the Boards of Control.

The RSA legal staff further supported the RSA in the drafting, negotiation, and review of contracts essential to day-to-day operations. In 2019, the legal staff successfully protected the RSA's interests in the negotiation of a number of significant contracts, including those necessary to administrative, accounting, investment, IT/security, and PEEHIP operations.

In addition, the RSA legal staff assisted with issues pertaining to the RSA's real estate holdings and other investments, providing legal advice on general operational issues and construction projects and pursuing or monitoring litigation where necessary.

In 2019, the RSA legal staff also continued to advocate on behalf of PEEHIP in litigation, and to offer guidance and representation for the health plan in other matters such as transactions with service providers and plan compliance with governing laws and regulations, including the Affordable Care Act and other federal laws protecting the privacy and security of PEEHIP members' health information. The RSA legal staff provided support as well to RSA-1, the Section 457 deferred compensation plan administered by RSA staff. The legal staff assisted RSA-1 in administering the plan, drafting amendments to the plan document, complying with appropriate IRS and other applicable rules and regulations, and resolving legal questions involving plan participants.

The RSA legal staff stands ready to assist the RSA in meeting any new challenges that may arise for public pensions and health insurance programs and to maintain and enhance the RSA's service to its members.

LEGISLATIVE

The 2019 Regular Session of the Alabama Legislature began March 5, 2019, and ended on May 31, 2019. The Legislature enacted a General Fund budget and an Education Trust Fund budget, which fully funded both the Employees' Retirement System (ERS) and the Teachers' Retirement System (TRS) by setting the actuariallycalculated employer contribution rates for both systems.

In addition, the Legislature enacted two bills that will materially affect the Retirement Systems of Alabama (RSA) and its members.

First, Act 2019-316 provides a partial lump-sum option (PLOP) for RSA members at retirement. Members may take up to twenty-four months of their maximum benefit as a lump-sum distribution. The member's retirement benefit will then be actuarially reduced by a like amount. The option is available to members who retire on or after October 1, 2019.

Second, Act 2019-132 allows local government employers (such as cities and counties) that participate in the ERS, an agent multiple-employer plan, to elect to provide Tier I retirement benefits to Tier II members. Local employers may elect to increase benefits for their Tier II members by approving a resolution to do so within two years from the enactment of Act 2019-132. The ERS Board may deny elections for local employers who have historically been non-compliant with ERS requirements or who may lack the financial stability to pay the employer contributions necessary to fund the increased benefit.



STAFF, ADVISORS, AND MEDICAL BOARD

CHIEF EXECUTIVE OFFICER DAVID G. BRONNER, PH.D., J.D. DEPUTY DIRECTOR DONALD L. YANCEY, M.P.A., J.D.

ADMINISTRATIVE STAFF

CHIEF INVESTMENT OFFICER R. MARC GREEN, M.B.A., CFA

CHIEF ACCOUNTANT AND FINANCIAL OFFICER DIANE E. SCOTT, B.S., CPA, CGMA

GENERAL COUNSEL

LEGISLATIVE COUNSEL NEAH M. SCOTT, J.D.

TEACHERS' RETIREMENT EXECUTIVE CHRISTOPHER P. TOWNES, M.B.A.

EMPLOYEES' & JUDICIAL RETIREMENT EXECUTIVE WILLIAM F. KELLEY, JR., J.D.

DIRECTOR OF PUBLIC EDUCATION EMPLOYEES' HEALTH INSURANCE PLAN DONNA M. TOWNES, B.S., CPA, CGBA

DIRECTOR OF RSA-1 RHONDA H. PETERS, B.S.

INFORMATION TECHNOLOGY SERVICES MICHAEL T. BAKER, B.S.

MEMBER SERVICES PENNY K. WILSON, B.S.

COMMUNICATIONS MICHAEL E. PEGUES, M.A.

FIELD SERVICES CHRISTOPHER C. GALLUP, B.S.

ADVISORS

INDEPENDENT CERTIFIED PUBLIC ACCOUNTANTS CARR, RIGGS & INGRAM, LLC

INVESTMENT CONSULTANT REGIONS BANK N.A., MR. ALAN MCKNIGHT INVESTMENT CUSTODIAN STATE STREET BANK AND TRUST COMPANY

CONSULTING ACTUARY CAVANAUGH MACDONALD CONSULTING, LLC, MR. LARRY LANGER

ATTORNEY GENERAL HON. STEVE MARSHALL

CHIEF EXAMINER HON. RACHEL RIDDLE

MEDICAL BOARD

CHAIR GLENN YATES, M.D. GREGORY BORG, M.D. MALCOLM BROWN, M.D. **DEMOGRAPHIC HIGHLIGHTS**

ENHANCING QUALITY OF LIFE

In Kiplinger's 2018 list of "20 Best States To Retire," **Alabama's impressive rank of #6** is due in no small part to the quality of life created by the RSA.

We have contributed significantly to the state's economic expansion and tourism that makes Alabama a better place to live. And this has sparked an increased number of retirees residing in Alabama—where their continued spending provides to the economic stability of the state.

> MEMBERS REMAINING IN ALABAMA AFTER RETIREMENT







IN 2019, RSA SERVED A TOTAL OF

368,566 ACTIVE & RETIRED MEMBERS FROM TRS, ERS, & JRF

| 59 | 3% |
|-------|---------|
| AC | TIVE |
| TRS | 134,471 |
| ERS | 84,420 |
| J R F | 366 |
| TOTAL | 219,257 |



JRF 452 TOTAL 149,309

| TO | TAL |
|-------|---------|
| TRS | 232,398 |
| ERS | 135,350 |
| J R F | 818 |
| TOTAL | 368,566 |

MEMBERSHIP ACTIVITY

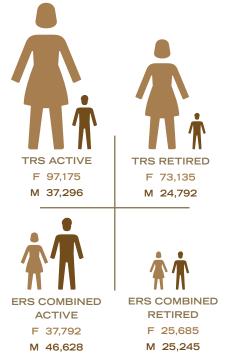
| NEW ME | MBERS | | |
|------------------------|----------|--------|--------|
| TRS | ERS | JRF | TOTAL |
| 11,935 | 11,399 | 88 | 23,422 |
| WITHDR | | MBERS | |
| TRS | ERS | JRF | TOTAL |
| 4,323 | 5,690 | 13 | 10,026 |
| SERVIC | E RETIRI | EMENTS | |
| TRS | ERS | JRF | TOTAL |
| 4,168 | 2,295 | 54 | 6,517 |
| DISABILITY RETIREMENTS | | | |
| TRS | ERS | JRF | TOTAL |
| 294 | 178 | 0 | 472 |
| SURVIVING SPOUSES | | | |
| TRS | ERS | JRF | TOTAL |
| 6 | 7 | 0 | 13 |

NEW BENEFICIARIES TRS ERS JRF T(

 TRS
 ERS
 JRF
 TOTAL

 507
 392
 3
 902





ERS Active and Retired members are comprised of state and local employees.



SABLON BILLON PAID HERE AT HOME

NW NE NW C E SW SE

> County by county figures are listed as millions of benefits paid.



Members and Benefits Paid by County

| NORTHWEST | | | |
|------------|--------|---------|----------|
| COUNTY | ACTIVE | RETIRED | BENEFITS |
| LAUDERDALE | 3,543 | 2,504 | \$ 57.7 |
| LIMESTONE | 3,767 | 2,034 | 47.3 |
| COLBERT | 2,526 | 1,926 | 42.8 |
| FRANKLIN | 1,452 | 899 | 19.7 |
| LAWRENCE | 1,044 | 760 | 15.4 |
| MORGAN | 4,662 | 3,374 | 74.3 |
| MARION | 1,324 | 818 | 17.0 |
| WINSTON | 1,015 | 699 | 13.9 |
| CULLMAN | 3,436 | 2,299 | 51.4 |
| LAMAR | 629 | 436 | 8.9 |
| FAYETTE | 819 | 524 | 11.0 |
| WALKER | 2,721 | 1,983 | 41.2 |

NORTHEAST ------

| COUNTY | ACTIVE | RETIRED | BENEFITS |
|-----------|--------|---------|----------|
| MADISON | 12,955 | 7,784 | \$ 193.2 |
| JACKSON | 2,192 | 1,521 | 31.2 |
| MARSHALL | 3,822 | 2,339 | 52.4 |
| DEKALB | 2,715 | 1,547 | 32.9 |
| BLOUNT | 1,733 | 1,129 | 23.6 |
| ETOWAH | 4,420 | 3,261 | 71.6 |
| CHEROKEE | 743 | 531 | 11.6 |
| ST. CLAIR | 3,200 | 1,825 | 41.5 |
| CALHOUN | 5,507 | 3,361 | 71.2 |
| CLEBURNE | 485 | 294 | 6.1 |

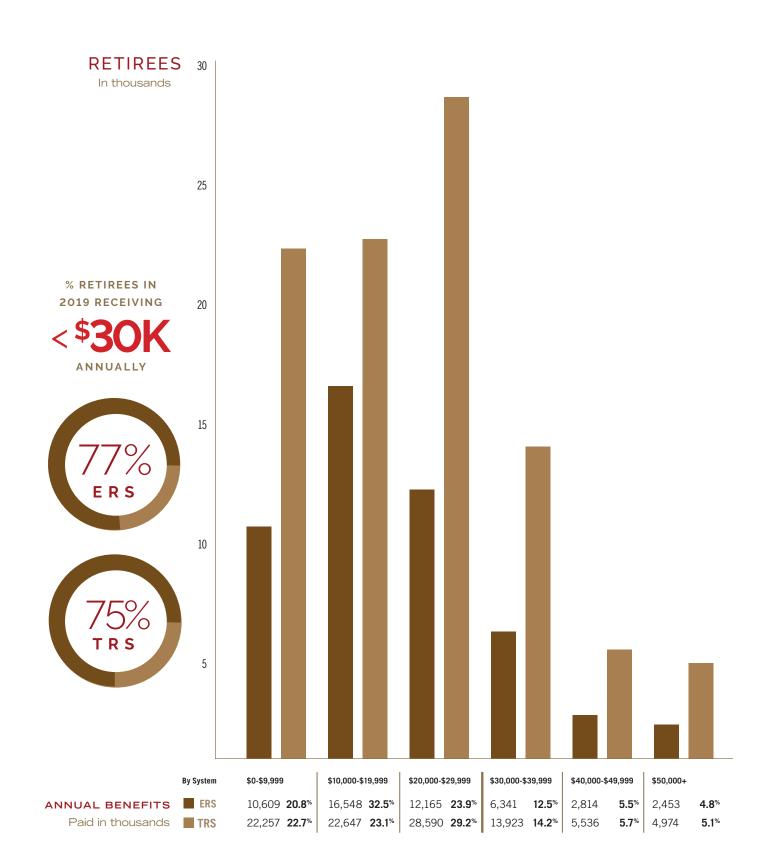
CENTRAL ------

| COUNTY | ACTIVE | RETIRED | BENEFITS |
|------------|--------|---------|----------|
| JEFFERSON | 27,587 | 17,473 | \$ 433.2 |
| SHELBY | 9,712 | 4,706 | 124.3 |
| TALLADEGA | 3,269 | 2,427 | 48.8 |
| BIBB | 846 | 565 | 11.8 |
| CHILTON | 1,839 | 1,189 | 24.8 |
| COOSA | 489 | 339 | 7.1 |
| PERRY | 443 | 326 | 6.8 |
| DALLAS | 1,795 | 1,293 | 26.8 |
| AUTAUGA | 3,244 | 1,812 | 41.8 |
| ELMORE | 5,502 | 3,509 | 82.5 |
| LOWNDES | 487 | 418 | 8.1 |
| MONTGOMERY | 13,739 | 8,817 | 219.5 |

| COUNTY | ACTIVE | RETIRED | BENEFIT |
|---|--|---|---|
| PICKENS | 829 | 624 | \$ 11.9 |
| TUSCALOOSA | 12,660 | 7,402 | 173.6 |
| GREENE | 404 | 380 | 6.9 |
| HALE | 972 | 650 | 12.7 |
| SUMTER | 745 | 455 | 9.4 |
| MARENGO | 1,002 | 641 | 13.5 |
| CHOCTAW | 318 | 334 | 6.3 |
| WILCOX | 608 | 411 | 7.3 |
| EAST | | | |
| COUNTY | ACTIVE | RETIRED | BENEFIT |
| CLAY | 625 | 463 | \$ 9.8 |
| RANDOLPH | 822 | 633 | 12.4 |
| TALLAPOOSA | 1,798 | 1,411 | 34.3 |
| CHAMBERS | 1,274 | 830 | 16.2 |
| LEE | 10,049 | 4,859 | 132.4 |
| MACON | 951 | 810 | 16.4 |
| RUSSELL | 1,442 | 792 | 14.5 |
| BULLOCK | 547 | 379 | 7.6 |
| | | | |
| зоитни | EST — | | |
| SOUTHW COUNTY | EST — | RETIRED | BENEFIT |
| | | RETIRED 614 | |
| COUNTY | ACTIVE | | \$ 11.9 |
| COUNTY WASHINGTON | ACTIVE 622 | 614 | \$ 11.9 17.9 |
| COUNTY WASHINGTON CLARKE | ACTIVE 622 1,167 | 614 905 | \$ 11.9 17.9 13.7 |
| COUNTY WASHINGTON CLARKE MONROE | ACTIVE 622 1,167 844 | 614 905 655 | \$ 11.9 17.9 13.7 7.4 |
| COUNTY WASHINGTON CLARKE MONROE CONECUH | ACTIVE 622 1,167 844 572 | 614 905 655 401 | \$ 11.9 17.9 13.7 7.4 12.3 |
| COUNTY WASHINGTON CLARKE MONROE CONECUH BUTLER | ACTIVE 622 1,167 844 572 825 | 614 905 655 401 594 | \$ 11.9 17.9 13.7 7.4 12.7 239.3 |
| COUNTY WASHINGTON CLARKE MONROE CONECUH BUTLER MOBILE | ACTIVE 622 1.167 844 572 825 15,633 | 614 905 655 401 594 11,588 | \$ 11.9 17.9 13.7 7.4 12: 239.9 138.4 |
| COUNTY WASHINGTON CLARKE MONROE CONECUH BUTLER MOBILE BALDWIN | ACTIVE 622 1.167 844 572 825 15.633 8,946 1,520 | 614 905 655 401 594 11,588 5,921 | \$ 11.9 17.9 13.7 7.4 12: 239.9 138.4 |
| COUNTY WASHINGTON CLARKE MONROE CONECUH BUTLER MOBILE BALDWIN ESCAMBIA | ACTIVE 622 1.167 844 572 825 15.633 8,946 1,520 | 614 905 655 401 594 11,588 5,921 | \$ 11.5 17.5 13.7 7.4 12. 239.3 138.4 25.0 |
| COUNTY WASHINGTON CLARKE MONROE CONECUH BUTLER MOBILE BALDWIN ESCAMBIA | ACTIVE 622 1,167 844 572 825 15,633 8,946 1,520 AST | 614 905 655 401 594 11,588 5,921 1,189 | \$ 11.5 17.5 13.7 12. 239.3 138.4 25.0 BENEFIT |
| COUNTY WASHINGTON CLARKE MONROE CONECUH BUTLER MOBILE BALDWIN ESCAMBIA SOUTHEA | ACTIVE 622 1.167 844 572 825 15.633 8,946 1,520 AST ACTIVE | 614 905 655 401 594 11.588 5,921 1,189 | \$ 11.5 17.9 13.7 7.4 12.7 239.3 138.4 25.0 BENEFIT \$ 12.5 |
| COUNTY WASHINGTON CLARKE MONROE CONECUH BUTLER MOBILE BALDWIN ESCAMBIA SOUTHEA COUNTY CRENSHAW | ACTIVE 622 1,167 844 572 825 15,633 8,946 1,520 AST ACTIVE 791 | 614 905 655 401 594 11,588 5,921 1,189 RETIRED 579 | \$ 11.5 17.5 13.7 12.7 239.3 138.4 25.0 BENEFIT, \$ 12.3 33.0 |
| COUNTY WASHINGTON CLARKE MONROE CONECUH BUTLER MOBILE BALDWIN ESCAMBIA SOUTHEA COUNTY CRENSHAW PIKE | ACTIVE 622 1,167 844 572 825 15,633 8,946 1,520 AST ACTIVE 791 2,221 | 614 905 655 401 594 11,588 5,921 1,189 RETIRED 579 1,358 | \$ 11.5 17.5 13.7 7.4 12. 239.3 138.4 25.0 BENEFIT \$ 12.3 33.0 14.6 |
| COUNTY WASHINGTON CLARKE MONROE CONECUH BUTLER MOBILE BALDWIN ESCAMBIA SOUTHEA COUNTY CRENSHAW PIKE BARBOUR | ACTIVE 622 1,167 844 572 825 15,633 8,946 1,520 AST 791 2,221 1,033 | 614 905 655 401 594 11,588 5,921 1,189 <i>RETIRED</i> 579 1,358 751 | \$ 11.5 17.5 13.7 7.4 12 239.5 138.4 25.0 BENEFIT \$ 12.3 33.0 14.6 25 |
| COUNTY WASHINGTON CLARKE MONROE CONECUH BUTLER MOBILE BALDWIN ESCAMBIA SOUTHEA COUNTY CRENSHAW PIKE BARBOUR COVINGTON | ACTIVE 622 1,167 844 572 825 15,633 8,946 1,520 AST 791 2,221 1,033 1,659 | 614 905 655 401 594 11,588 5,921 1,189 RETIRED 579 1,358 751 1,213 | \$ 11.5 17.5 13.7 7.4 12.7 239.3 138.4 25.0 BENEFIT \$ 12.3 33.0 14.6 25.7 28.5 |
| COUNTY WASHINGTON CLARKE MONROE CONECUH BUTLER MOBILE BALDWIN ESCAMBIA SOUTHEA COUNTY CRENSHAW PIKE BARBOUR COVINGTON COFFEE | ACTIVE 622 1.167 844 572 825 15.633 8,946 1.520 AST ACTIVE 791 2,221 1,033 1,659 2,077 | 614 905 655 401 594 11,588 5,921 1,189 RETIRED 579 1,358 751 1,213 1,319 | \$ 11.5 17.5 13.7 7.4 12.: 239.3 138.4 25.0 BENEFIT \$ 12.3 33.0 14.6 25.: 28.5 22.6 |
| COUNTY WASHINGTON CLARKE MONROE CONECUH BUTLER MOBILE BALDWIN ESCAMBIA SOUTHEA COUNTY CRENSHAW PIKE BARBOUR COVINGTON COFFEE DALE | ACTIVE 622 1,167 844 572 825 15,633 8,946 1,520 AST ACTIVE 791 2,221 1,033 1,659 2,077 1,772 | 614 905 655 401 594 11,588 5,921 1,189 <i>RETIRED</i> 579 1,358 751 1,213 1,319 1,111 | BENEFIT: \$ 11.9 17.9 13.7 7.4 12.: 239.3 138.4 25.0 BENEFIT: \$ 12.3 33.0 14.6 25.: 28.9 22.6 12.6 12.6 |

DEMOGRAPHIC HIGHLIGHTS

RSA Retirees and Benefits Paid



RSA Active Members by Benefit Tier

2019 ERS 2019 TRS Tier I and II Tier I and II State and Local Systems Ţ Ţ $\dot{\pi}$ Ż **state** 18,641 88,794 TIER I TIER I local 32,693 * * * * * * * * * * Ť **state** 10,276 i 45,677 TIER II TIER II local 22,810 1 ŕ

COMPARISON OF TIER I AND TIER II MEMBERS IN THE COMBINED SYSTEMS IN 2019, 2018, AND 2017



TIER I MEMBERS 156,183 (73.7%)

TIER II MEMBERS 55,820 (26.3%)



TIER I MEMBERS 147,214 (69.3%)

TIER II MEMBERS 65,278 (30.7%)



TIER I MEMBERS 140,128 (64.0%)

TIER II MEMBERS 78,763 (36.0%) FINANCIAL HIGHLIGHTS

2019 ANNUAL OVERVIEW

TOTAL INVESTED ASSETS BY SYSTEM



FINANCIAL HIGHLIGHTS



Revenue Sources for TRS, ERS, and JRF





INVESTMENT INCOME



\$1,354.9 MILLION

EMPLOYER CONTRIBUTIONS

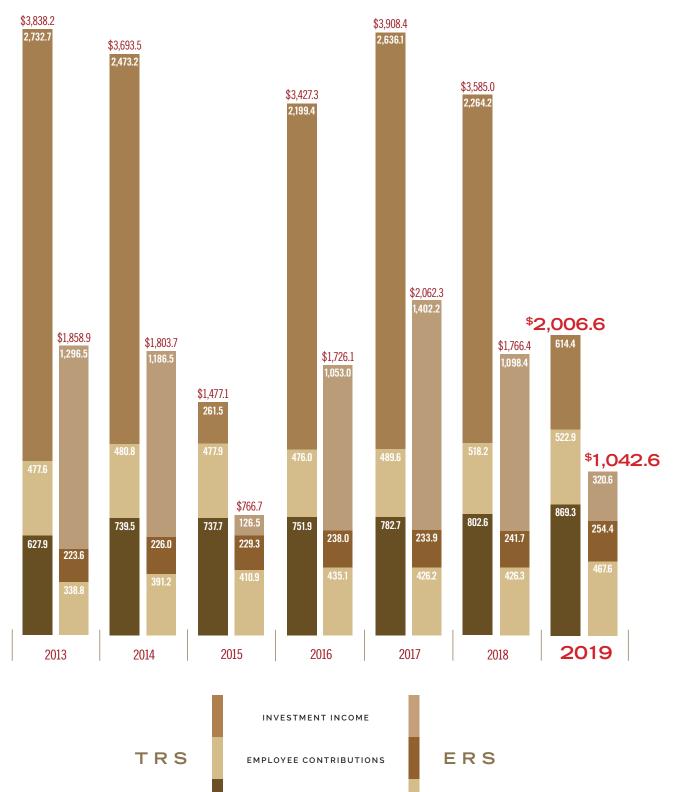


EMPLOYEE CONTRIBUTIONS



7-YEAR HIGHLIGHTS

(DOLLARS IN MILLIONS)



EMPLOYER CONTRIBUTIONS



AS OF SEPTEMBER 30, 2019 (DOLLARS IN THOUSANDS)



\$418 BILLON IN ASSETS UNDER MANAGEMENT

MANAGED IN-HOUSE, KEEPING COSTS LOW COMPARED TO OTHER STATE PENSION SYSTEMS

| | TOTAL INVESTED ASSETS |
|--|-----------------------|
| Teachers' Retirement System | \$ 25,264,700 |
| Employees' Retirement System | 12,456,104 |
| Judicial Retirement Fund | 308,091 |
| Alabama Cultural Resources Preservation | Trust Fund 14,535 |
| Alabama Firefighters Annuity and Benefit | Fund 278 |
| Division of Wildlife and Freshwater Fisher | ies 25,486 |
| Alabama Nongame Wildlife Endowment | Trust 17 |
| Alabama Underground and Aboveground Storage Tank Trust Fund | l 16,521 |
| Clerks' and Registers' Supernumerary Fur | nd 12,617 |
| Alabama Senior Services Trust Fund | 49,989 |
| Alabama State Employees' Health Insurance Fund | 123,582 |
| Local Government Health Insurance Fund | 129,547 |
| PEIRAF-Deferred Compensation Plan (RS | A-1) 2,198,950 |

| TOTA | L INVESTED ASSETS |
|--|-------------------|
| Public Education Employees' Health Insurance Fund | \$ 163 |
| Alabama Retired Education Employees' Health Care Trust | 1,491 |
| Public Employees' Individual Retirement Account Fund | 74,746 |
| Alabama Marine Resources Endowment Trust Fund | 2,352 |
| Alabama Trust Fund | 279,186 |
| Alabama Treasury Fund | 525,742 |
| Charlotte Thorn Trust Fund | 11,532 |
| County Municipal Trust Fund | 136,111 |
| Alabama State Employees' Retired Health Care Trust Fund | 190,063 |
| State Docks Pension Plans | 20,446 |
| Marion Military Institute Foundation | 6,780 |

TOTAL INVESTED ASSETS UNDER MANAGEMENT

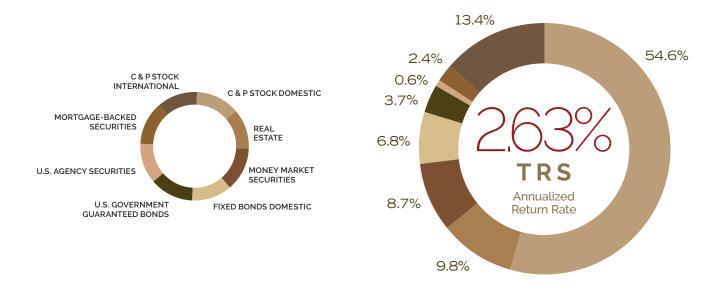
\$ 41,849,029

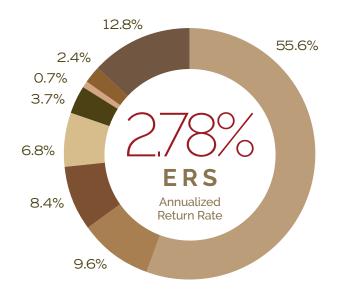
FINANCIAL HIGHLIGHTS

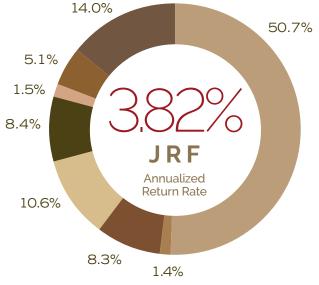


AS OF SEPTEMBER 30, 2019

ASSET ALLOCATION is a strategic long-term decision in the pension investment management process. The RSA is dedicated to preserving the sound financial position it has established over the years through a diversified investment program. The objective of the RSA is to allocate investments in the most effective way that reflects policy standards while maximizing returns.





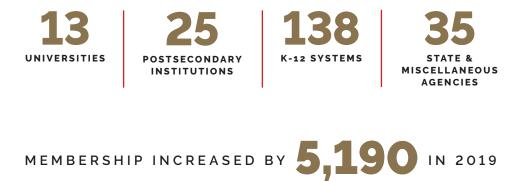


TEACHERS' RETIREMENT SYSTEM

IN 2019, TRS SERVED A TOTAL OF

ACTIVE AND RETIRED MEMBERS

THE TRS CONSISTS OF **211** UNITS

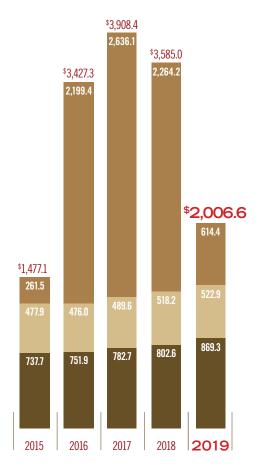


The Teachers' Retirement System of Alabama (TRS) provides retirement allowances and other specified benefits for qualified persons employed by state-supported educational institutions.

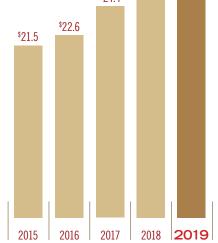
Benefits Administration

TRS REVENUE SOURCES

(DOLLARS IN MILLIONS)



\$25.6 **\$25.3**

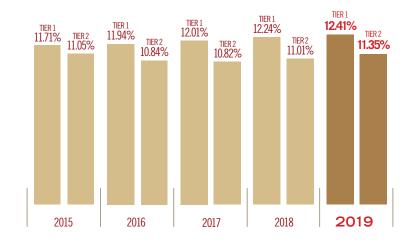


PORTFOLIO AT FAIR VALUE

(DOLLARS IN BILLIONS)

EMPLOYER RATE

(% OF COVERED PAYROLL)

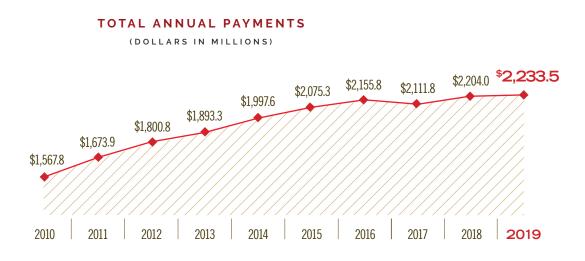


INVESTMENT INCOME

EMPLOYEE CONTRIBUTIONS

EMPLOYER CONTRIBUTIONS

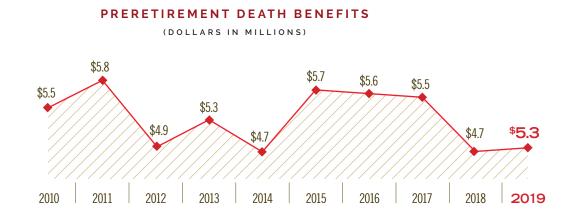
Retirement Benefits



AVERAGE MONTHLY BENEFITS

(IN ACTUAL DOLLARS)





Board of Control



MR. LUTHER P. HALLMARK Superintendent Position Chair



MR. JOHN R. WHALEY Teacher Position Vice Chair



MR. RICHARD BROWN Principal Position



DR. SUSAN WILLIAMS BROWN Postsecondary Position



MR. KELLY BUTLER State Finance Director Ex Officio



MS. AMY C. CREW Teacher Position



MRS. SUSAN LOCKRIDGE Support Personnel Position



DR. ERIC MACKEY State Superintendent of Education, Ex Officio



MS. CHARLENE MCCOY Teacher Position



HON. JOHN MCMILLAN, JR. State Treasurer Ex Officio



MS. PEGGY MOBLEY Retired Position



MS. KELLI D. SHOMAKER Higher Education Position



MR. RUSSELL J. TWILLEY Support Personnel Position



DR. JOSEPH G. VAN MATRE Higher Education Position



MR. JOE WARD Retired Position



Statement of Fiduciary Net Position

AS OF SEPTEMBER 30, 2019, AND 2018

| AS OF SEPTEMBER 30, 2019, AND 2018 | (\$ IN THOUSANDS) | | |
|---|-------------------|---------------|--|
| ASSETS | 2019 | 2018 | |
| CASH | \$ 71,531 | \$ 34,831 | |
| RECEIVABLES | | | |
| Employee Contributions | 52,968 | 40,209 | |
| Employer Contributions | 90,488 | 67,229 | |
| Transfers Receivable from ERS | 111 | _ | |
| Investment Sales Receivable | 7,678 | - | |
| Real Estate Investment Receivable | 764 | 815 | |
| Dividends and Interest | 71,155 | 81,420 | |
| Miscellaneous Receivable | 153 | 24,700 | |
| TOTAL RECEIVABLES | 223,317 | 214,373 | |
| INVESTMENTS, AT FAIR VALU | E | | |
| Domestic Equity | 13,785,646 | 14,407,115 | |
| Domestic Fixed Income | 3,434,749 | 4,044,570 | |
| International Equities | 3,385,579 | 3,417,268 | |
| Real Estate | 2,470,955 | | |
| Short-Term | 2,187,771 | | |
| TOTAL INVESTMENTS | 25,264,700 | 25,621,694 | |
| INVESTED SECURITIES LENDING COLLATERAL | 699,940 | 1,052,082 | |
| PROPERTY AND EQUIPMENT LESS ACCUMULATED DEPRECIATION | 112,159 | 107,508 | |
| TOTAL ASSETS | 26,371,647 | 27,030,488 | |
| DEFERRED OUTFLOWS OF RESOURCES | | | |
| PENSIONS OPEB | 5,412 1,647 | | |
| TOTAL ASSETS AND DEFERRED OUTFLOWS OF RESOURCES | 26,378,706 | 27,036,035 | |
| LIABILITIES | | | |
| Accounts Payable and Other Liabilities | 7,882 | 7,093 | |
| Transfers Payable to ERS | 235 | | |
| Investment Purchases Payable | 8,818 | 1,475 | |
| Net OPEB Liability | 16,182 | 16,708 | |
| Net Pension Liability | 20,897 | 19,504 | |
| Securities Lending Collateral | 699,940 | 1,052,082 | |
| TOTAL LIABILITIES | 753,954 | 1,096,862 | |
| DEFERRED INFLOWS OF RESOURCES PENSIONS OPEB | 2,271 3,033 | | |
| TOTAL LIABILITIES AND DEFERRED INFLOWS OF RESOURCES | 759,258 | <u> </u> | |
| NET POSITION RESTRICTED FOR PENSION BENEFITS | \$ 25,619,448 | \$ 25,935,433 | |

Statement of Changes in Fiduciary Net Position

FOR THE FISCAL YEARS ENDED SEPTEMBER 30, 2019, AND 2018

| | (\$ IN THOUSANDS) | |
|--|-------------------|------------|
| ADDITIONS | 2019 | 2018 |
| CONTRIBUTIONS | | |
| Employee Contributions | \$ 516,675 | \$ 488,503 |
| Employer Contributions | 869,336 | 802,598 |
| Transfers from Employees' Retirement System | 6,234 | 4,963 |
| Transfers from PEEHIP | | 24,700 |
| TOTAL CONTRIBUTIONS | 1,392,245 | 1,320,764 |
| INVESTMENT INCOME | | |
| FROM INVESTING ACTIVITIES | | |
| Net Increase in Fair Value of Investments | 33,671 | 1,615,440 |
| Interest and Dividends | 583,329 | 650,293 |
| Total Investment Income from Investing Activities | 617,000 | 2,265,733 |
| Less Investment Expenses, Net | 9,205 | 9,171 |
| Net Investment Income from Investing Activities | 607,795 | 2,256,562 |
| FROM SECURITIES LENDING ACTIVITIES | | |
| Securities Lending Income | 28,905 | 23,246 |
| Less Securities Lending Expenses | | |
| Borrower Rebates | 19,431 | 12,385 |
| Management Fees | 2,842 | 3,189 |
| Total Securities Lending Expenses | 22,273 | 15,574 |
| Net Income from Securities Lending Activities | 6,632 | 7,672 |
| TOTAL NET INVESTMENT INCOME | 614,427 | 2,264,234 |
| TOTAL ADDITIONS | 2,006,672 | 3,584,998 |

DEDUCTIONS

| Retirement Allowance Payments | 2,233,514 | 2,204,031 |
|---|-----------|-----------|
| Return of Contributions and Death Benefits | 56,861 | 58,538 |
| Transfers to Employees' Retirement System | 4,187 | 4,899 |
| Transfers to Judicial Retirement Fund | _ | 9 |
| Administrative Expenses | 20,583 | 15,952 |
| Depreciation | 7,512 | 6,338 |
| TOTAL DEDUCTIONS | 2,322,657 | 2,289,767 |
| NET (DECREASE)/INCREASE | (315,985) | 1,295,231 |

NET POSITION RESTRICTED FOR PENSION BENEFITS

| BEGINNING OF YEAR—AS PREVIOUSLY Reported | 25,935,435 | 24,651,457 |
|---|--------------|--------------|
| ADJUSTMENT FOR APPLICATION OF GASB 75 | _ | (11,255) |
| BEGINNING OF YEAR—AS ADJUSTED | 25,935,435 | 24,640,202 |
| END OF YEAR | \$25,619,448 | \$25,935,433 |

EMPLOYEES' RETIREMENT SYSTEM

IN 2019, ERS SERVED A TOTAL OF

135,350

ACTIVE AND RETIRED MEMBERS

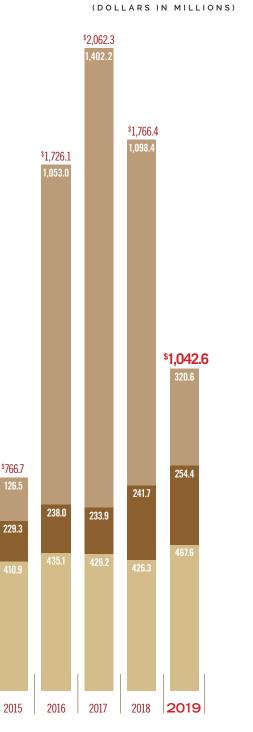
THE ERS CONSISTS OF **1,001** UNITS



The Employees' Retirement System of Alabama (ERS) provides retirement allowances and other specified benefits for qualified state employees, state police, and, on an elective basis, employees of cities, counties, towns, and quasi-public organizations.

EKS

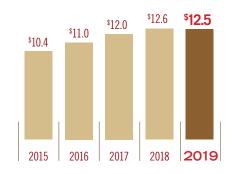
Benefits Administration



ERS REVENUE SOURCES

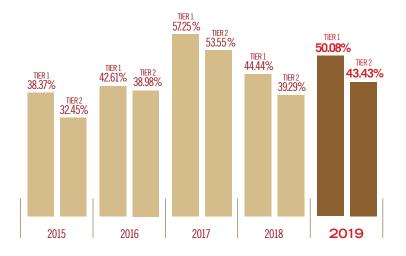
PORTFOLIO AT FAIR VALUE

(DOLLARS IN BILLIONS)

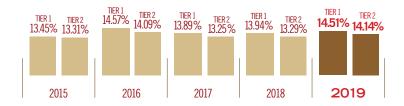


EMPLOYER RATE

(% OF COVERED PAYROLL)



State Police Rate



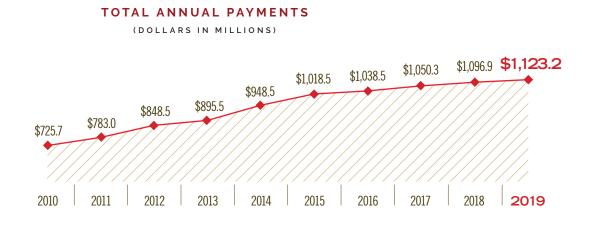
State Employee Rate

INVESTMENT INCOME

EMPLOYEE CONTRIBUTIONS

EMPLOYER CONTRIBUTIONS







(IN ACTUAL DOLLARS)







Board of Control



HON. KAY IVEY Governor Ex Officio, Chair



MR. JAMES FIBBE Retired Local Employee Position, Vice Chair



MR. DAVID BOLLIE Active State Employee Position



ERS

MR. KELLY BUTLER State Finance Director Ex Officio



LT. DAVID COLSTON Governor Appointee



MR. JOHN D. FREE Governor Appointee



MRS. JACKIE B. GRAHAM State Personnel Director Ex Officio



MR. NORRIS GREEN Retired State Employee Position



MR. DAVID J. HARER Active Local Employee Position



HON. JOHN MCMILLAN, JR State Treasurer Ex Officio



MR. BEN POWELL Active Local Employee Position



MS. TAMMY ROLLING Governor Appointee



MR. STEPHEN C. WALKLEY Active State Employee Position

Statement of Fiduciary Net Position

(\$ IN THOUSANDS)

AS OF SEPTEMBER 30, 2019, AND 2018

ERS

| ASSETS | 2019 | 2018 |
|---|----------------|----------------|
| CASH | \$ 17,875 | \$ 12,547 |
| | | |
| RECEIVABLES | | |
| Employee Contributions | 14,276 | 18,268 |
| Employer Contributions | 27,711 | 32,457 |
| Transfers Receivable from TRS | 235 | _ |
| Investment Sales Receivable | 4,249 | _ |
| Real Estate Investment Receivable | 382 | 408 |
| Dividends and Interest | 34,359 | 41,407 |
| Miscellaneous Receivable | 194 | _ |
| TOTAL RECEIVABLES | 81,406 | 92,540 |
| INVESTMENTS, AT FAIR VALU | E | |
| Domestic Equity | 6,925,941 | 7,277,756 |
| Domestic Fixed Income | 1,693,333 | 1,997,706 |
| International Equities | 1,594,696 | 1,602,600 |
| Real Estate | 1,198,136 | 1,171,372 |
| Short-Term | 1,043,998 | 548,882 |
| TOTAL INVESTMENTS | 12,456,104 | 12,598,316 |
| INVESTED SECURITIES LENDING COLLATERAL | 256,550 | 543,229 |
| PROPERTY AND EQUIPMENT Less accumulated depreciation | 49,265 | 48,107 |
| TOTAL ASSETS | 12,861,200 | 13,294,739 |
| DEFERRED OUTFLOWS OF RESOURCES PENSIONS OPEB | 2,247 290 | 2,501 306 |
| TOTAL ASSETS AND DEFERRED OUTFLOWS OF RESOURCES | 12,863,737 | 13,297,546 |
| LIABILITIES | | |
| Accounts Payable and Other Liabilities | 4,295 | 3,566 |
| Transfers Payable to TRS | 111 | _ |
| Transfers Payable to JRF | 18 | _ |
| Investment Purchases Payable | 4,666 | 799 |
| Net OPEB Liability | 10,902 | 11,871 |
| Net Pension Liability | 14,845 | 14,468 |
| Securities Lending Collateral | 256,550 | 543,229 |
| TOTAL LIABILITIES | 291,387 | 573,933 |
| DEFERRED INFLOWS OF RESOURCES PENSIONS OPEB | 1,645 2,232 | 1,859 1,402 |
| TOTAL LIABILITIES AND DEFERRED INFLOWS OF RESOURCES | 295,264 | 577,194 |
| NET POSITION RESTRICTED FOR PENSION BENEFITS | \$ 12,568,473 | \$ 12,720,352 |

Statement of Changes in Fiduciary Net Position FOR THE FISCAL YEARS ENDED SEPTEMBER 30, 2019, AND 2018

(\$ IN THOUSANDS)

| ADDITIONS | 2019 | 2018 |
|--|------------|------------|
| CONTRIBUTIONS | | |
| Employee Contributions | \$ 250,253 | \$ 236,842 |
| Employer Contributions | 467,553 | 426,340 |
| Transfers from Teachers' Retirement System | 4,187 | 4,899 |
| TOTAL CONTRIBUTIONS | 721,993 | 668,081 |
| INVESTMENT INCOME | | |
| FROM INVESTING ACTIVITIES | | |
| Net Increase in Fair Value of Investments | 30,092 | 775,132 |
| Interest and Dividends | 291,011 | 323,182 |
| Total Investment Income from Investing Activities | 321,103 | 1,098,314 |
| Less Investment Expenses, Net | 3,661 | 3,395 |
| Net Investment Income from Investing Activities | 317,442 | 1,094,919 |
| FROM SECURITIES LENDING ACTIVITIES | | |
| Securities Lending Income | 13,884 | 10,589 |
| Less Securities Lending Expenses | | |
| Borrower Rebates | 9,394 | 5,647 |
| Management Fees | 1,347 | 1,449 |
| Total Securities Lending Expenses | 10,741 | 7,096 |
| Net Income from Securities Lending Activities | 3,143 | 3,493 |
| TOTAL NET INVESTMENT INCOME | 320,585 | 1,098,412 |
| TOTAL ADDITIONS | 1,042,578 | 1,766,493 |
| DEDUCTIONS | | |
| Retirement Allowance Payments | 1,123,150 | 1,096,883 |
| Return of Contributions and Death Benefits | 48,675 | 45,070 |
| Unit Withdrawals | 380 | 350 |
| Transfers to Teachers' Retirement System | 6,234 | 4,963 |
| Transfers to Judicial Retirement Fund | 189 | 102 |
| Administrative Expenses | 12,934 | 11,219 |
| Depreciation | 2,895 | 2,544 |
| TOTAL DEDUCTIONS | 1,194,457 | 1,161,131 |
| NET (DECREASE)/INCREASE | (151,879) | 605,362 |
| NET POSITION RESTRICTED | | |

NET POSITION RESTRICTED FOR PENSION BENEFITS

| BEGINNING OF YEAR—AS PREVIOUSLY Reported | 12,720,352 | 12,122,471 |
|---|--------------|--------------|
| ADJUSTMENT FOR APPLICATION OF GASB 75 | | (7,481) |
| BEGINNING OF YEAR—AS ADJUSTED | 12,720,352 | 12,114,990 |
| END OF YEAR | \$12,568,473 | \$12,720,352 |

JUDICIAL RETIREMENT FUND

IN 2019, **JRF** SERVED

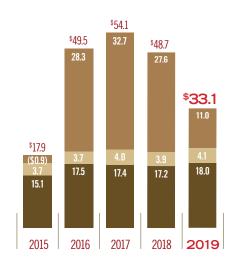
ACTIVE AND RETIRED MEMBERS

MEMBERSHIP INCREASED BY **73** IN 2019

The Judicial Retirement Fund of Alabama (JRF) provides retirement allowances and other specified benefits for supreme court justices, court of appeals judges, circuit court judges, district court judges, circuit clerks, district attorneys, and probate judges. Responsibility for the management and administration of the JRF is vested in the ERS Board of Control.

Benefits Administration

JRF REVENUE SOURCES (DOLLARS IN MILLIONS)



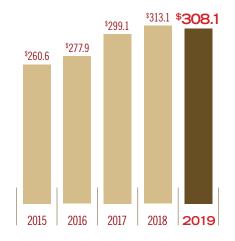
INVESTMENT INCOME

EMPLOYEE CONTRIBUTIONS

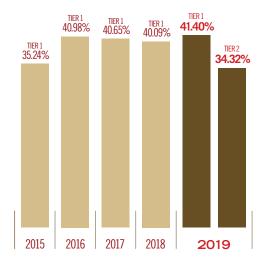
EMPLOYER CONTRIBUTIONS

PORTFOLIO AT FAIR VALUE



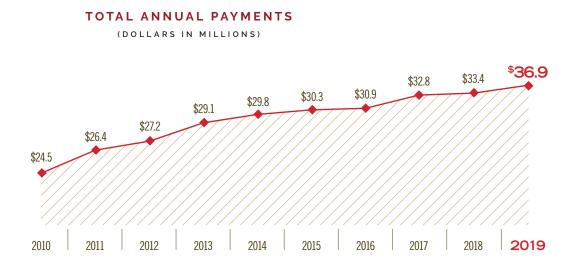


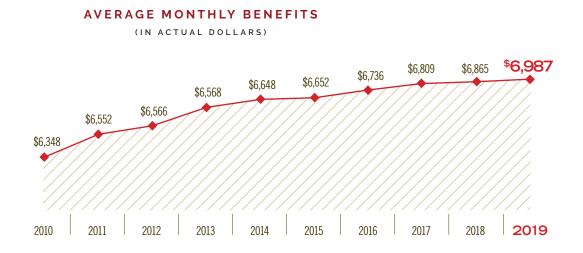
EMPLOYER RATE (% of covered payroll)



75

Retirement Benefits





Statement of Fiduciary Net Position

AS OF SEPTEMBER 30, 2019, AND 2018

7

(\$ IN THOUSANDS)

| ASSETS | 2019 | 2018 |
|--|------------|------------|
| CASH | \$ 3,100 | \$ 2,868 |
| RECEIVABLES | | |
| Employee Contributions | 162 | 176 |
| Employer Contributions | 639 | 602 |
| Transfers Receivable from ERS | 18 | _ |
| Dividends and Interest | 992 | 977 |
| TOTAL RECEIVABLES | 1,811 | 1,755 |
| INVESTMENTS, AT FAIR VALUE | | |
| Domestic Equity | 156,306 | 168,449 |
| Domestic Fixed Income | 78,997 | 72,713 |
| International Equities | 42,977 | 44,473 |
| Real Estate | 4,227 | 4,107 |
| Short-Term | 25,584 | 23,364 |
| TOTAL INVESTMENTS | 308,091 | 313,106 |
| INVESTED SECURITIES | 5 007 | 10.450 |
| | 5,297 | 10,456 |
| TOTAL ASSETS | 318,299 | 328,185 |
| DEFERRED OUTFLOWS OF RESOURCES PENSIONS OPEB | 41 3 | 48 3 |
| TOTAL ASSETS AND DEFERRED OUTFLOWS OF RESOURCES | 318,343 | 328,236 |
| LIABILITIES | | |
| Accounts Payable and Other Liabilities | 68 | 59 |
| Investment Purchases Payable | 21 | - |
| Net OPEB Liability | 91 | 99 |
| Net Pension Liability | 284 | 275 |
| Securities Lending Collateral | 5,297 | 10,456 |
| TOTAL LIABILITIES | 5,761 | 10,889 |
| DEFERRED INFLOWS OF RESOURCES PENSIONS OPEB | 24 17 | 23 |
| TOTAL LIABILITIES AND DEFERRED Inflows of resources | 5,802 | 10,922 |
| NET POSITION RESTRICTED FOR PENSION BENEFITS | \$ 312,541 | \$ 317,314 |

Statement of Changes in Fiduciary Net Position

FOR THE FISCAL YEARS ENDED SEPTEMBER 30, 2019, AND 2018

(\$ IN THOUSANDS)

| ADDITIONS | 2019 | 2018 |
|--|----------|----------|
| CONTRIBUTIONS | | |
| Employee Contributions | \$ 3,912 | \$ 3,756 |
| Employer Contributions | 18,022 | 17,180 |
| Transfers from Teachers' Retirement System | | 9 |
| Transfers from Employees' Retirement System | 189 | 102 |
| TOTAL CONTRIBUTIONS | 22,123 | 21,047 |
| INVESTMENT INCOME | | |
| FROM INVESTING ACTIVITIES | | |
| Net Increase in Fair Value of Investments | 3,476 | 20,071 |
| Interest and Dividends | 7,463 | 7,471 |
| Total Investment Income from Investing Activities | 10,939 | 27,542 |
| Net Investment Income from Investing Activities | 10,939 | 27,542 |
| FROM SECURITIES LENDING ACTIVITIES | | |
| Securities Lending Income | 327 | 248 |
| Less Securities Lending Expenses | | |
| Borrower Rebates | 218 | 134 |
| Management Fees | 32 | 34 |
| Total Securities Lending Expenses | 250 | 168 |
| Net Income from Securities Lending Activities | 77 | 80 |
| TOTAL NET INVESTMENT INCOME | 11,016 | 27,622 |
| TOTAL ADDITIONS | 33,139 | 48,669 |
| DEDUCTIONS | | |
| Retirement Allowance Payments | 36,909 | 33,419 |
| Return of Contributions and | | |
| Death Benefits | 646 | 130 |
| Administrative Expenses | 357 | 328 |
| TOTAL DEDUCTIONS | 37,912 | 33,877 |
| NET (DECREASE)/INCREASE | (4,773) | 14,792 |
| NET POSITION RESTRICTED FOR PENSION BENEFITS | | |
| BEGINNING OF YEAR—AS PREVIOUSLY Reported | 317,314 | 302,578 |
| ADJUSTMENT FOR APPLICATION OF GASB 75 | _ | (56) |
| BEGINNING OF YEAR—AS ADJUSTED | 317,314 | 302,522 |
| | | |

\$ 312,541

\$ 317,314

END OF YEAR

PUBLIC EDUCATION EMPLOYEES' HEALTH INSURANCE FUND

IN 2019, PEEHIP SERVED A TOTAL OF



TOTAL CLAIMS EXPENSE ACTIVE AND RETIRED (\$ IN THOUSANDS)

2015 \$1,360,787 2016 \$1,411,030 2017 \$1,348,559 2018 \$1,343,321 2019

Statement of Net Position

AS OF SEPTEMBER 30, 2019, AND 2018

| ASSETS | (\$ IN THOUSANDS) 2019 2018 | |
|---|-----------------------------|----------|
| CURRENT | | |
| Cash | \$ 851 | \$ 2,121 |
| Premiums Receivable | 4,309 | 2,121 |
| Prescription Drug Rebates Receivable | 6,174 | 6,105 |
| Interest Receivable | 123 | 344 |
| Deposit with Claims-Paying Agent | 6,550 | 3,334 |
| TOTAL CURRENT ASSETS | 18,007 | 14,025 |
| NONCURRENT | | |
| INVESTMENTS, AT FAIR VALUE | | |
| Investments, Restricted | 1,466 | 119,134 |
| Investments, Unrestricted | 161,550 | 172,628 |
| Total Investments, At Fair Value | 163,016 | 291,762 |
| Total Assets | 181,023 | 305,787 |
| Deferred Outflows of Resources Net Pension Liability | 930 | 691 |
| Net Other Post Employment Benefit (OPEB) Liability | 352 | 96 |
| Total Deferred Outflows of Resources | 1,282 | 787 |
| TOTAL ASSETS AND DEFERRED OUTFLOWS OF RESOURCES | 182,305 | 306,574 |
| LIABILITIES | | |
| CURRENT | | |
| Accounts Payable | 1,321 | 1,212 |
| Accrued Litigation Payments | 1,466 | |
| Due to Other Governments | 359 | 350 |
| Compensated Absences, Current | 16 | 16 |
| Due to Teachers' Retirement System | | 24,700 |

Statement of Revenues, Expenses, & Changes in Fund Net Position

FOR THE FISCAL YEARS ENDED SEPTEMBER 30, 2019, AND 2018

| OPERATING REVENUES | 2019 | 2018 |
|--------------------------|------------|-----------|
| PREMIUMS | | |
| Unrestricted | \$ 974,327 | \$961,046 |
| Restricted | _ | 50,014 |
| TOTAL PREMIUMS | 974,327 | 1,011,060 |
| OPERATING EXPENSES | | |
| Litigation Payments | 166,863 | |
| Claims | 970,534 | 927,086 |
| Fees and Assessments | 362 | 354 |
| Administrative | 3,856 | 3,199 |
| TOTAL OPERATING EXPENSES | 1,081,615 | 930,639 |
| OPERATING (LOSS)/INCOME | (107,288) | 80,421 |
| INVESTMENT REVENUES | | |

(\$ IN THOUSANDS)

| Interest Income | | |
|--|-------|--------|
| Interest Income–Unrestricted | 3,559 | 3,033 |
| Interest Income-Restricted | 2,542 | 1,431 |
| TOTAL INTEREST INCOME | 6,101 | 4,464 |
| TOTAL INVESTMENT REVENUES | 6,101 | 4,464 |
| TRANSFER TO TEACHERS' RETIREMENT SYSTEM | - | 24,700 |

28,696 Reported Claims Payable 31,376 Claims Incurred But Not Reported 53,130 56,463 TOTAL CURRENT LIABILITIES 87,668 111,437

NONCURRENT

| Compensated Absences | 509 | 466 |
|--|------------|------------|
| Net Pension Liability | 3,421 | 3,112 |
| Net OPEB Liability | 3,427 | 3,437 |
| TOTAL NONCURRENT LIABILITIES | 7,357 | 7,015 |
| TOTAL LIABILITIES | 95,025 | 118,452 |
| DEFERRED INFLOWS OF RESOL | JRCES | |
| Net Pension Liability | 375 | 336 |
| Net OPEB Liability | 644 | 338 |
| Total Deferred Inflows of Resources | 1,019 | 674 |
| TOTAL LIABILITIES AND DEFERRED INFLOWS OF RESOURCES | 96,044 | 119,126 |
| NET POSITION-RESTRICTED | - | 119,134 |
| NET POSITION-UNRESTRICTED | 86,261 | 68,314 |
| TOTAL NET POSITION | 86,261 | 187,448 |
| TOTAL LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND NET POSITION | \$ 182,305 | \$ 306,574 |

NET POSITION

CHANGE IN NET POSITION

| 187,448 | 129,698 |
|-----------|---------------------------|
| _ | (2,435) |
| 187,448 | 127,263 |
| 86,261 | 119,134 68,314 |
| \$ 86,261 | \$ 187,448 |
| | 187,448 86,261 |

(101,187)

60,185

HEALTH CARE TRUST |||| FINANCIAL STATEMENTS

Statement of Fiduciary Net Position

AS OF SEPTEMBER 30, 2019, AND 2018

| | (\$ IN THOUSANDS) | | |
|---|-------------------|--------------|--|
| ASSETS | 2019 2018 | | |
| RECEIVABLES | | | |
| Prescription Drug Rebates | \$ 1,381 | \$ 7,470 | |
| Interest and Dividends | 4,197 | 4,142 | |
| Employer Group Waiver Plan (EGWP) | 38 | _ | |
| TOTAL RECEIVABLES | 5,616 | 11,612 | |
| DEPOSIT WITH CLAIMS-PAYING AGENT | 1,914 | 3,462 | |
| INVESTMENTS, AT FAIR VALUE | | | |
| Commercial Paper | 25,041 | | |
| Money Market Funds | 84,406 | 81,410 | |
| U.S. Government Guaranteed Bonds | 138,705 | 130,083 | |
| U.S. Agency Securities | 23,348 | 24,668 | |
| Mortgage-Backed Securities | 90,868 | 80,396 | |
| Corporate Bonds | 189,275 | 175,207 | |
| International Securities | 176,163 | 184,721 | |
| Common Stocks | 759,440 | 755,331 | |
| Preferred Stocks | 3,881 | 3,843 | |
| TOTAL INVESTMENTS | 1,491,127 | 1,435,659 | |
| INVESTED SECURITIES LENDING COLLATERAL | 49,901 | 51,392 | |
| TOTAL ASSETS | 1,548,558 | 1,502,125 | |
| LIABILITIES | | | |
| Reported Claims Payable | 6,641 | 8,361 | |
| Investment Purchases Payable | 115 | - | |
| Due to Other Governments | 51 | 52 | |
| Claims Incurred But Not Reported | 14,773 | 13,517 | |
| Securities Lending Collateral | 49,901 | 51,392 | |
| TOTAL LIABILITIES | 71,481 | 73,322 | |
| NET POSITION RESTRICTED FOR OTHER POSTEMPLOYMENT BENEFITS | ¢ 4 477 077 | ¢ 1 400 000 | |
| | \$ 1,477,077 | \$ 1,428,803 | |

Statement of Changes in Fiduciary Net Position

PEEHIP

FOR THE FISCAL YEARS ENDED SEPTEMBER 30, 2019, AND 2018

| | (\$ IN THOUSANDS) | |
|---|-------------------|------------|
| ADDITIONS | 2019 2018 | |
| CONTRIBUTIONS | | |
| Employee Contributions | \$135,738 | \$ 137,237 |
| Employer Contributions | 284,411 | 245,545 |
| Employer Group Waiver Plan (EGWP) | 463 | 587 |
| TOTAL CONTRIBUTIONS | 420,612 | 383,369 |
| INVESTMENT INCOME | | |
| FROM INVESTING ACTIVITIES | | |
| Net Increase in Fair Value of Investments | 19,505 | 80,278 |
| Interest and Dividends | 35,490 | 33,763 |
| Total Investment Income from Investing Activities | 54,995 | 114,041 |
| FROM SECURITIES LENDING ACTIVITIES | | |
| Securities Lending Income | 1,997 | 1,402 |
| Less Securities Lending Expenses | | |
| Borrower Rebates | 1,409 | 751 |
| Management Fees | 176 | 191 |
| Total Securities Lending Expenses | 1,585 | 942 |
| Net Income from Securities Lending Activities | 412 | 460 |
| TOTAL NET INVESTMENT INCOME | 55,407 | 114,501 |
| TOTAL ADDITIONS | 476,019 | 497,870 |
| DEDUCTIONS | | |
| BENEFITS | 426,044 | 416,235 |
| FEES AND ASSESSMENTS | 48 | 49 |
| ADMINISTRATIVE EXPENSES | 1,653 | 1,346 |
| TOTAL DEDUCTIONS | 427,745 | 417,630 |
| CHANGE IN NET POSITION | 48,274 | 80,240 |
| NET POSITION RESTRICTED FOR OTHER POSTEMPLOYMENT BENEFITS | | |

| BEGINNING OF YEAR | 1,428,803 | 1,348,563 |
|-------------------|--------------|--------------|
| END OF YEAR | \$ 1,477,077 | \$ 1,428,803 |

RSA-1 DEFERRED COMPENSATION PLAN

FOR 2019, RSA-1 HAS A NET ASSET VALUE OF



Established in 1986 to allow members of the RSA and certain other eligible public employees to defer receipt of a percentage of their salary, thereby deferring payment of taxes on that income.



RSA-1 Highlights

| 12-MONTH PERIOD ENDING | INCOME YIELD (IN %) | MARKET VALUE CHANGE (IN %) | TOTAL RETURN (IN %) | TOTAL NET ASSET VALUE (\$ IN MILLIONS) | PARTICIPATING MEMBERS |
|---|---------------------------|-------------------------------------|---------------------------|--|--------------------------|
| SEPTEMBER 30, 2015 (FIXED INVESTMENT OPTION) | 3.42 | -0.50 | 2.91 | 1,328.7 | 34,226 |
| SEPTEMBER 30, 2015 (STOCK INVESTMENT OPTION) | 2.14 | -2.76 | -0.61 | 491.4 | 19,188 |
| SEPTEMBER 30, 2015 (STIF INVESTMENT OPTION) | 0.07 | 0.00 | 0.07 | 13.9 | 383 |
| SEPTEMBER 30, 2016 (FIXED INVESTMENT OPTION) | 3.48 | 2.61 | 6.09 | 1,372.5 | 34,095 |
| SEPTEMBER 30, 2016 (STOCK INVESTMENT OPTION) | 2.30 | 13.09 | 15.39 | 561.7 | 19,708 |
| SEPTEMBER 30, 2016 (STIF INVESTMENT OPTION) | 0.41 | 0.00 | 0.41 | 40.8 | 1,127 |
| SEPTEMBER 30, 2017 (FIXED INVESTMENT OPTION) | 3.50 | -2.68 | 0.82 | 1,303.1 | 33,826 |
| SEPTEMBER 30, 2017 (STOCK INVESTMENT OPTION) | 2.21 | 16.28 | 18.49 | 690.3 | 20,954 |
| SEPTEMBER 30, 2017 (STIF INVESTMENT OPTION) | 0.87 | 0.00 | 0.87 | 51.1 | 1,841 |
| SEPTEMBER 30, 2018 (FIXED INVESTMENT OPTION) | 3.34 | -3.85 | -0.51 | 1,219.6 | 33,634 |
| SEPTEMBER 30, 2018 (STOCK INVESTMENT OPTION) | 2.10 | 15.81 | 17.91 | 829.4 | 22,425 |
| SEPTEMBER 30, 2018 (STIF INVESTMENT OPTION) | 1.71 | 0.00 | 1.71 | 66.8 | 2,657 |
| SEPTEMBER 30, 2019 | | | | | |
| (FIXED INVESTMENT OPTION) | 3.33 | 5.97 | 9.30 | 1,274.2 | 33,814 |
| SEPTEMBER 30, 2019 (STOCK INVESTMENT OPTION) | 2.10 | 2.17 | 4.27 | 851.9 | 23,843 |
| SEPTEMBER 30, 2019 (STIF INVESTMENT OPTION) | 2.44 | 0.00 | 2.44 | 81.4 | 3,615 |

PEIRAF DEDUCTIBLE EMPLOYEE CONTRIBUTION PLAN

The Public Employees' Individual Retirement Account Fund (PEIRAF) was established to allow public employees to conveniently and economically receive the fullest benefits offered by the Economic Recovery Tax Act (ERTA) of 1981 as it relates to individual retirement accounts. PEIRAF has operated as a fixed-income portfolio since its creation in 1982. Funds are invested in fixed-income investments such as corporate bonds, U.S. agency obligations, government national mortgage association securities, and commercial paper.

The Tax Reform Act of 1986 prohibited contributions to deductible voluntary employee contribution plans, such as PEIRAF, for years after 1986. Accordingly, the PEIRAF Board of Control discontinued receiving contributions to this plan after December 31, 1986. However, the PEIRAF continues to reinvest the interest earnings of existing PEIRAF member accounts.

ALLOCATIONS

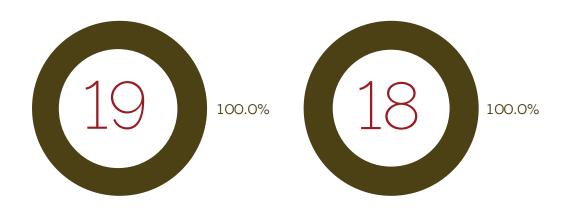
ALL NUMBERS AS OF SEPTEMBER 30, 2019, AND SEPTEMBER 30, 2018



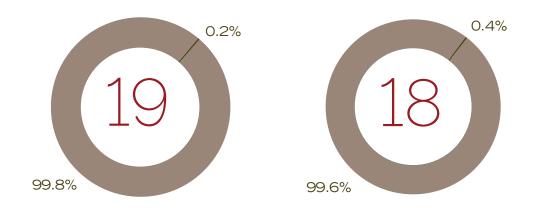




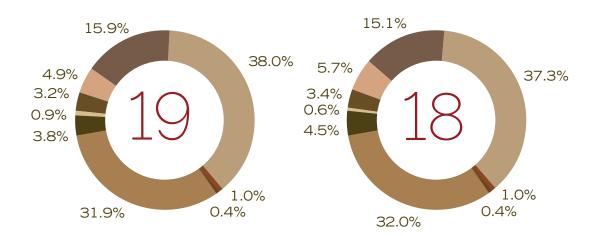
RSA-1 / SHORT-TERM INVESTMENT



RSA-1 / INVESTMENT ALLOCATION STOCK FUND



RSA-1 / INVESTMENT ALLOCATION BOND FUND



RSA-

Statement of Fiduciary Net Position

AS OF SEPTEMBER 30, 2019, AND 2018

| | IN ACTUAL DOLLARS | | |
|--|-------------------|---------------|--|
| ASSETS | 2019 2018 | | |
| CASH | \$ 11 | \$ 101 | |
| INTEREST RECEIVABLE | 476,530 | 527,006 | |
| INVESTMENTS, AT FAIR VALU | IE | | |
| Money Market and Mutual Funds | 3,519,655 | 3,151,662 | |
| U.S. Government Guaranteed Bonds | 23,616,885 | 23,105,817 | |
| U.S. Agency Securities | 3,492,548 | 3,955,778 | |
| Mortgage-Backed Securities | 13,915,949 | 13,467,208 | |
| Corporate Bonds | 29,398,425 | 28,451,944 | |
| Preferred Stock | 802,692 | 794,926 | |
| TOTAL INVESTMENTS | 74,746,154 | 72,927,335 | |
| INVESTED SECURITIES LENDING COLLATERAL | 4,630,163 | 3,509,168 | |
| TOTAL ASSETS | 79,852,858 | 76,963,610 | |
| LIABILITIES | | | |
| Securities Lending Collateral | 4,630,163 | 3,509,168 | |
| TOTAL LIABILITIES | 4,630,163 | 3,509,168 | |
| NET POSITION RESTRICTED FOR PEIRAF BENEFITS | \$ 75,222,695 | \$ 73,454,442 | |

Statement of Changes in Fiduciary Net Position FOR THE FISCAL YEARS ENDED SEPTEMBER 30, 2019, AND 2018

| | IN ACTUAL DOLLARS | | |
|---|-------------------|---------------|--|
| ADDITIONS | 2019 2018 | | |
| INVESTMENT INCOME | | | |
| FROM INVESTING ACTIVITIES | | | |
| Interest and Dividends | \$ 2,402,238 | \$ 2,523,666 | |
| Net Increase/(Decrease) in Fair Value of Investments | 4,190,336 | (3,066,713) | |
| Total Investment Income/(Loss) from Investing Activities | 6,592,574 | (543,047) | |
| FROM SECURITIES LENDING ACTIVITIES | | | |
| Securities Lending Income | 153,445 | 118,482 | |
| Less Securities Lending Expenses | | | |
| Borrower Rebates | 114,658 | 74,896 | |
| Management Fees | 11,633 | 12,814 | |
| Total Securities Lending Expenses | 126,291 | 87,710 | |
| Net Income from Securities Lending Activities | 27,154 | 30,772 | |
| TOTAL NET INVESTMENT Income/(loss) | 6,619,728 | (512,275) | |
| TOTAL ADDITIONS/(REDUCTIONS) | 6,619,728 | (512,275) | |
| DEDUCTIONS | | | |
| Normal Distributions | 4,851,475 | 6,008,027 | |
| TOTAL DEDUCTIONS | 4,851,475 | 6,008,027 | |
| CHANGE IN NET POSITION | 1,768,253 | (6,520,302) | |
| NET POSITION RESTRICTED FOR PEIRAF BENEFITS | | | |
| BEGINNING OF YEAR | 73,454,442 | 79,974,744 | |
| END OF YEAR | \$ 75,222,695 | \$ 73,454,442 | |

Statement of Fiduciary Net Position

AS OF SEPTEMBER 30, 2019, AND 2018

| | IN ACTUAL DOLLARS | | |
|--|-------------------|------------------|--|
| ASSETS | 2019 | 2018 | |
| CASH | \$ 31 | \$ 179,621 | |
| CONTRIBUTIONS RECEIVABLE | - | 4,136 | |
| INTEREST AND DIVIDENDS RECEIVABLE | E 8,638,557 | 9,124,664 | |
| INVESTMENTS, AT FAIR VA | LUE | | |
| Commercial Paper | 11,010,818 | 7,004,664 | |
| Money Market Funds | 130,785,902 | 124,743,363 | |
| U.S. Government Guaranteed Bonds | 403,882,643 | 387,085,130 | |
| U.S. Agency Securities | 61,551,161 | 68,586,346 | |
| Mortgage-Backed Securities | 242,500,656 | 223,462,131 | |
| Corporate Bonds | 481,758,771 | 452,279,131 | |
| Private Placements | 5,456,550 | 5,585,418 | |
| Common and Preferred Stocks | 832,003,428 | 838,130,611 | |
| TOTAL INVESTMENTS | 2,198,949,929 | 2,106,876,794 | |
| INVESTED SECURITIES LENDING COLLATERAL | 59,731,460 | 120,850,056 | |
| TOTAL ASSETS | 2,267,319,977 | 2,237,035,271 | |
| LIABILITIES | | | |
| Investment Purchases Payable | 99,526 | | |
| Securities Lending Collateral | 59,731,460 | 120,850,056 | |
| TOTAL LIABILITIES | 59,830,986 | 120,850,056 | |
| NET POSITION RESTRICTED FOR DEFERRED COMPENSATION BENEFITS | \$ 2,207,488,991 | \$ 2,116,185,215 | |

Statement of Changes in Fiduciary Net Position

FOR THE FISCAL YEARS ENDED SEPTEMBER 30, 2019, AND 2018

| | IN ACTUAL DOLLARS | |
|--|-------------------|---------------|
| ADDITIONS | 2019 | 2018 |
| MEMBER CONTRIBUTIONS | \$ 77,971,624 | \$ 82,690,430 |
| INVESTMENT INCOME | | |
| FROM INVESTING ACTIVITIES | | |
| Interest and Dividends | 58,161,795 | 57,412,392 |
| Net Increase in Fair Value of Investments | 87,088,664 | 60,654,728 |
| Total Investment Income from Investing Activities | 145,250,459 | 118,067,120 |
| FROM SECURITIES LENDING ACTIVITIES | | |
| Securities Lending Income | 3,133,147 | 2,548,352 |
| Less Securities Lending Expenses | | |
| Borrower Rebates | 2,257,640 | 1,591,215 |
| Management Fees | 262,606 | 280,154 |
| Total Securities Lending Expenses | 2,520,246 | 1,871,369 |
| Net Income from Securities Lending Activities | 612,901 | 676,983 |
| TOTAL NET INVESTMENT INCOME | 145,863,360 | 118,744,103 |
| TOTAL ADDITIONS | 223,834,984 | 201,434,533 |
| | | |

DEDUCTIONS

| Normal Distributions | 132,115,416 | 129,630,513 |
|-----------------------|-------------|-------------|
| Emergency Withdrawals | 415,792 | 493,592 |
| TOTAL DEDUCTIONS | 132,531,208 | 130,124,105 |

CHANGE IN NET POSITION 91,303,776 71,310,428

NET POSITION RESTRICTED FOR DEFERRED COMPENSATION BENEFITS

| BEGINNING OF YEAR | 2,116,185,215 | 2,044,874,787 |
|--------------------------|------------------|------------------|
| END OF YEAR | \$ 2,207,488,991 | \$ 2,116,185,215 |

INVESTMENT HIGHLIGHTS

INVESTING FOR OPTIMAL PERFORMANCE

Providing outstanding results with one of the lowest investment expenses in the industry





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HUNTER BRONSON, M.S., CFA Assistant Director of Equities



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FIXED INCOME ACTIVITY

As monetary policymakers raised short-term interest rates at its September 2018 meeting, we questioned how global risk assets would respond to further rate increases. We found the answer to that question fairly soon in the new fiscal year.

The first quarter revealed a continuation of slowing economic data abroad and heightened volatility. Credit spreads experienced material widening and treasury yields fell precipitously through year end. The Federal Reserve pushed another rate hike through in December against the market's wishes on the back of a solid employment picture. However, Chairman Jay Powell would quickly change course as it became apparent that patience was needed to calm financial markets. Losses in the riskiest parts of the credit market were quickly restored.

As yields in Europe collapsed further due to the lowering of growth and inflation expectations, the Fed was forced to throw in the towel on additional rate adjustments and balance sheet reduction. The ensuing rate decline in the long end led to a brief inversion of the yield curve, historically an indicator of recession in the future. Credit proved to be pretty resilient during this time and benefited from its longer duration profile. Breakdown in trade negotiations with China in the spring provided another hit to risk assets.

In the following months, policymakers conveyed that they would act as needed to sustain the economic expansion, and ultimately delivered a 25bp rate cut at the end of July. Unfortunately, the market was disappointed as the move was described as a "mid-cycle adjustment" rather than the start of a more aggressive approach. This, coupled with increasing trade tensions, caused a third round of instability during the fiscal year. Risk-free assets were further emboldened by protests in several countries, additional tariffs on Chinese imports, and the political firestorm here at home.

The Federal Open Market Committee delivered another rate cut at the end of the fiscal year to help alleviate recession fears priced into the market. Global policymakers appear to be on the same page as they are providing as much ammunition as possible to combat anemic growth. It remains to be seen whether any actions will be taken on the fiscal side. Duration has been the key ingredient in producing solid returns within fixed income this year.

The RSA has opportunistically added higher quality assets out the curve in order to provide a better balance of yield and safety at this stage in the cycle. For the fiscal year, the total annual returns for the public domestic fixed income portfolios were 9.51% for the TRS, 9.49% for the ERS, and 9.23% for the JRF. The five-year annualized returns were 3.72% for the TRS, 3.71% for the ERS, and 3.55% for the JRF. The ten-year annualized returns were 4.45% for the TRS, 4.44% for the ERS, and 4.40% for the JRF.

EQUITY ACTIVITY

Equities had a tumultuous grind throughout fiscal year 2019. Macro headwinds weighed on economic growth. At the beginning of the year, bottoms-up analyst estimates for 2019 were approximately \$175. It looks like the final number is going to be closer to \$163, an approximate 7% shortfall versus initial expectations. That type of an earnings reset is hard to overcome, evidenced by the small returns generated in stocks for the year.

Breadth was very narrow, led by the large cap growth stocks. This is very typical as investors are willing to pay up for growth when growth is scarce. Retrospectively, this makes sense, as central banks started tightening monetary policy both by raising short-term rates and reversing course on the quantitative easing era post the Great Recession. More recently, we have seen breadth improve, with somewhat of a rotation into value and cyclical names.

The RSA opportunistically sold stocks as our weighting had drifted toward the high end of the target range. We also used zero-cost collars to mitigate some of the downside risk if the market broke lower, but those collars expired at fiscal year end with no value. Barring an exogenous shock of some sort, bad policy decisions, or a surprising election outcome, we feel that the market is fairly valued at this point. It is late in the cycle, and we are obviously paying close attention to all the aforementioned issues.

For the year, the RSA domestic equity portfolios returned 1.71%, 1.94%, and 2.48% for TRS, ERS, and JRF funds, respectively. Both developed and emerging international equities performance lagged U.S. equities. Total international equity returns were -0.60% for TRS, -0.74% for ERS, and -0.56% for JRF. The combined total returns for the overall equity portfolios were 1.23%, 1.40%, and 1.83% for TRS, ERS, and JRF, respectively. Three-, five-, and ten-year annualized global equity returns were 11.01%, 8.82%, and 11.05% for TRS, 11.09%, 8.86%, and 11.10% for ERS, and 11.12%, 8.92%, and 11.52% for JRF, respectively.

RSA Headquarters, Montgomery, Alabama

201 SOUTH UNION STREET

2019 ANNUAL REPORT 59



RSA INVESTMENTS

Returns

| or the Period Ended September 30, 2019 (In %) Net Asset Value | | 1 Year | 3 Years | 5 Years | 10 Years |
|---|------------------|--------|---------|---------|----------|
| TOTAL PORTFOLIO | | | | | |
| TRS | \$25,333,841,800 | 2.63 | 7.87 | 6.96 | 8.95 |
| ERS | 12,489,646,590 | 2.78 | 8.23 | 7.14 | 9.02 |
| JRF | 309,050,907 | 3.82 | 8.29 | 6.98 | 9.05 |
| TOTAL DOMESTIC EQUITY | | | | | |
| TRS | 12,744,178,614 | 1.71 | 12.15 | 10.17 | 12.78 |
| ERS | 6,290,491,447 | 1.94 | 12.24 | 10.17 | 12.76 |
| JRF | 155,772,440 | 2.48 | 12.29 | 10.35 | 13.07 |
| DOMESTIC EQUITY BENCHMARKS | | | | | |
| S&P 500 | | 4.25 | 13.39 | 10.84 | 13.24 |
| Mid Cap 400 | | (2.49) | 9.38 | 8.88 | 12.56 |
| Small Cap 600 | | (9.34) | 9.33 | 9.89 | 13.02 |
| TOTAL INTERNATIONAL EQUITY | | | | | |
| TRS | 3,408,862,656 | (0.60) | 6.83 | 3.73 | 5.21 |
| ERS | 1,604,401,467 | (0.74) | 6.68 | 3.64 | 5.15 |
| JRF | 43,262,701 | (0.56) | 6.86 | 3.75 | 5.29 |
| INTERNATIONAL EQUITY BENCHMARKS | | | | | |
| Morgan Stanley EAFE | | (1.34) | 6.48 | 3.27 | 4.90 |
| MSCI Emerging Markets | | (2.02) | 5.97 | 2.33 | 3.37 |
| TOTAL FIXED INCOME AND ALTERNATIVES | | | | | |
| TRS | 6,990,509,991 | 5.86 | 2.63 | 4.07 | 5.83 |
| ERS | 3,549,720,216 | 5.78 | 3.71 | 4.69 | 6.18 |
| JRF | 84,402,043 | 9.02 | 2.57 | 3.43 | 4.18 |
| FIXED INCOME BENCHMARKS | | | | | |
| Barclays Aggregate | | 10.30 | 2.92 | 3.38 | 3.75 |
| | | | | | |

Maturity Structure

he management of maturities for the bond portfolio is an integral part of the RSA's objective of providing a stable cash flow to meet retirement benefit needs. The RSA has historically structured its purchases in longer-term securities with intermediate call protection or average lives in order to meet its retirement obligations.

MATURITY STRUCTURE (IN %)

| | | TRS | | | ERS | | |
|-------------------|------|------|------|--|------|------|------|
| Years to Maturity | 2019 | 2018 | 2017 | | 2019 | 2018 | 2017 |
| <1 | 10 | 3 | 4 | | 10 | 3 | 4 |
| 1 to <5 | 33 | 27 | 25 | | 33 | 27 | 25 |
| 5 to <10 | 21 | 17 | 17 | | 21 | 17 | 17 |
| 10 to <30 | 35 | 52 | 52 | | 35 | 52 | 53 |
| = or >30 | 1 | 1 | 2 | | 1 | 1 | 1 |

Quality Evaluation

he RSA continued its long-standing policy of investing in high-quality, fixed-income products. Bond ratings, however, provide only a starting point in the evaluation of the relative investment qualities of a bond. Times have changed dramatically over the past decade, and few companies today have a rating of AAA to A. Many companies are now rated BAA or lower.

QUALITY EVALUATION (IN %)

| | | TRS | | | ERS | | | |
|-----------|------|------|------|------|------|------|--|--|
| Rating | 2019 | 2018 | 2017 | 2019 | 2018 | 2017 | | |
| AAA | 50 | 38 | 36 | 50 | 38 | 36 | | |
| AA | 2 | 1 | 1 | 2 | 1 | 1 | | |
| A | 12 | 8 | 10 | 12 | 8 | 9 | | |
| BAA | 20 | 16 | 14 | 20 | 16 | 14 | | |
| BA | 1 | 1 | 2 | 1 | 1 | 2 | | |
| В | 2 | _ | _ | 2 | 1 | 1 | | |
| Not Rated | 13 | 36 | 37 | 13 | 36 | 37 | | |



Broker Commissions Paid

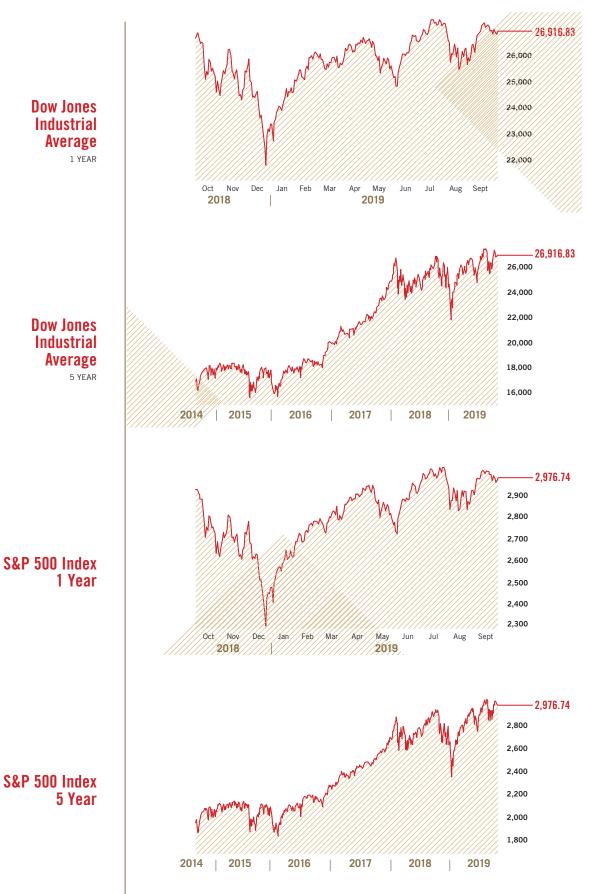
FOR FISCAL YEAR ENDED SEPTEMBER 30, 2019

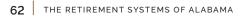
| BANK OF AMERICA / MERRILL LYNCH BARCLAYS BERNSTEIN CITIGROUP CONVERGEX CORNERSTONE COWEN CREDIT SUISSE DEUTSCHE BANK GOLDMAN SACHS HARBOR FINANCIAL INTERNATIONAL STRATEGY AND INVESTMENT—ISI | N THOUSANDS) 247 133 338 253 207 64 85 75 65 | (\$ IN THOUSANDS) 98 61 127 55 28 |
|--|---|--|
| BERNSTEIN CITIGROUP CONVERGEX CORNERSTONE COWEN CREDIT SUISSE DEUTSCHE BANK GOLDMAN SACHS HARBOR FINANCIAL | 338 253 207 64 85 75 | 55 |
| CITIGROUP CONVERGEX CORNERSTONE COWEN CREDIT SUISSE DEUTSCHE BANK GOLDMAN SACHS HARBOR FINANCIAL | 253 207 64 85 75 | 55 |
| CONVERGEX CORNERSTONE COWEN CREDIT SUISSE DEUTSCHE BANK GOLDMAN SACHS HARBOR FINANCIAL | 207 64 85 75 | 55 |
| CORNERSTONE COWEN CREDIT SUISSE DEUTSCHE BANK GOLDMAN SACHS HARBOR FINANCIAL | 64 85 75 | |
| COWEN CREDIT SUISSE DEUTSCHE BANK GOLDMAN SACHS HARBOR FINANCIAL | 85 75 | |
| CREDIT SUISSE DEUTSCHE BANK GOLDMAN SACHS HARBOR FINANCIAL | 75 | |
| DEUTSCHE BANK GOLDMAN SACHS HARBOR FINANCIAL | | |
| GOLDMAN SACHS HARBOR FINANCIAL | 65 | 20 |
| HARBOR FINANCIAL | 65 | 28 |
| | | 196 |
| INTERNATIONAL STRATEGY AND INVESTMENT-ISI | 28 | |
| | 384 | |
| ISSUER DESIGNATED | | 401 |
| JEFFERIES | 75 | |
| JP MORGAN CHASE | 164 | 155 |
| KEYBANC CAPITAL MARKETS | 40 | 88 |
| LEERINK SWANN | 46 | |
| MORGAN STANLEY | 1,074 | 199 |
| NATIONAL BANK OF COMMERCE SECURITIES | 71 | |
| RAYMOND JAMES & ASSOCIATES | 55 | 1 |
| RENAISSANCE SECURITIES | 180 | |
| ROYAL BANK OF CANADA—RBC | 321 | 59 |
| SECURITIES CAPITAL | 23 | |
| SOUTHWEST SECURITIES | 28 | |
| STIFEL NICOLAUS | 384 | 21 |
| STRATEGAS | 241 | |
| SUNTRUST | | 22 |
| UNION BANK OF SWITZERLAND-UBS WARBURG | 60 | |
| WELLS FARGO | 344 | 124 |

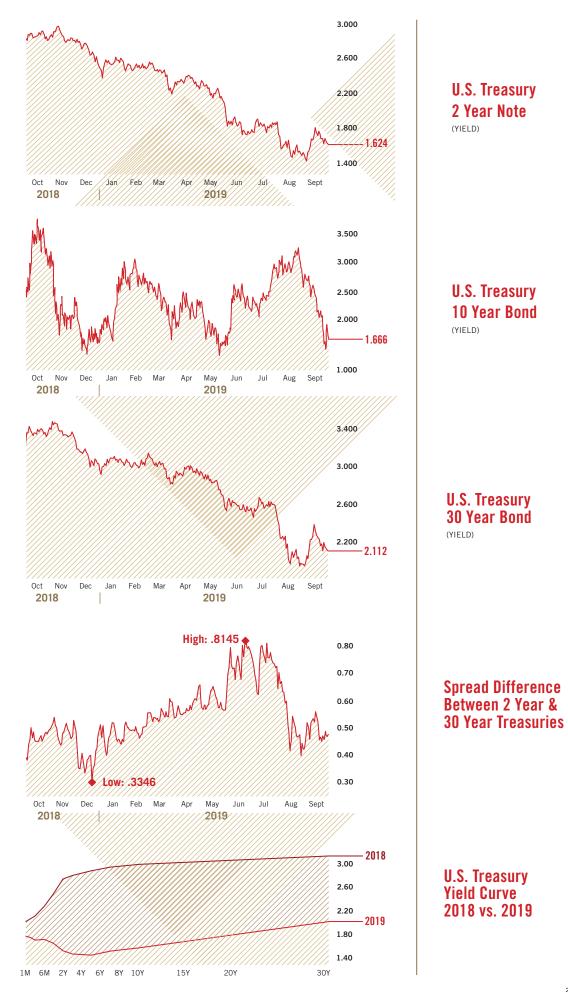
TOTAL

\$**4,985**

^{\$}1,635







The Retirement Systems of Alabama

MEMBER SERVICES CONTACT CENTER

Take advantage of Member Services' personalized assistance concerning your retirement and healthcare benefits by contacting the Member Services Contact Center at 877.517.0020 or 334.517.7000. You may also send an email to member.services@rsa-al.gov.

WWW.RSA-AL.GOV

Please visit the Retirement Systems of Alabama website. All RSA members can register and easily change their address online, and add or update their phone number and email address. In addition, TRS, ERS, JRF, and RSA-1 members can view their account information online. PEEHIP members can also view their current PEEHIP coverages, change coverages, enroll in new coverages, and/or enroll or re-enroll in flexible spending accounts during Open Enrollment.

To Visit Member Services

MEMBER SERVICES RSA Headquarters 201 South Union Street Montgomery, AL 36104

FROM THE NORTH

Follow I-65 South into Montgomery. Take the I-85 North exit to the right to Atlanta. Stay in the righthand lane and take the first exit on I-85, which is the Court Street exit. Stay on the service road until you reach Union Street. Turn left on Union Street. Continue on Union Street through two traffic lights. The RSA Headquarters is on the right before Adams Avenue. Members may park in the open lot in front of the parking deck.

FROM THE EAST

Follow I-85 South to downtown Montgomery and take the Union Street exit on the right. Take the first right on the service road onto Union Street. Continue on Union Street through one traffic light. The RSA Headquarters is on the right before Adams Avenue. Members may park in the open lot in front of the parking deck.

FROM THE WEST

Follow Highway 80 to I-65. Follow I-65 North to Montgomery. Approaching Montgomery, stay in the right-hand lane and exit onto I-85 North to Atlanta. Continue in the right-hand lane, then take the first exit, which is Court Street. Stay on the service road until you reach Union Street. Turn left on Union Street. Continue on Union Street through two traffic lights. The RSA Headquarters is on the right-hand side before Adams Avenue. Members may park in the open lot in front of the parking deck.

FROM THE SOUTH

Follow I-65 North to Montgomery. Approaching Montgomery, stay in the right-hand lane and exit onto I-85 North to Atlanta. Continue in the right-hand lane, then take the first exit, which is Court Street. Stay on the service road until you reach Union Street. Turn left on Union Street. Continue on Union Street through two traffic lights. The RSA Headquarters is on the right before Adams Avenue. Members may park in the open lot in front of the parking deck.



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