# 0 PERS <br> of MISSISSIPPI 

## Good Stewardship. Greater Mississippi.

## sixty years of balanced investment / decades of benefiting the state's economy



# 2012 Comprehensive Annual 

 Financial ReportA Component Unit of the State of Mississippi
Fiscal Year Ended June 30

PREPARED BY:
The Office of Administrative Services
Public Employees' Retirement System of Misssissippi
PERS Building
429 Mississippi Street
Jackson, Mississippi
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PERS
of MISSISSIPPI

> In 1952, Mississippi put in place a system to provide retirement security for its thousands
> of public employees. Through the collection of employer and employee contributions and the investment of those contributions, funds are accumulated to ensure those promises can be paid. The Public Employees' Retirement

> System of Mississippi (PERS) is entrusted with the stewardship of these funds.
> Today, PERS' impact proudly extends far beyond the more than 380,000 members and retirees we serve. Our promise of secure, steady, and dependable benefits
> allows PERS to help attract and retain our state's quality public workforce-which represents 14 percent of the state's overall workforce-as well as provide vital economic stimulus to communities throughout Mississippi.

> But building the workforce and strengthening the economy are just two cornerstones of good stewardship. Responsible management of resources and careful planning for fluctuating investment markets are the other foundations
> upon which we support our mandate to protect and provide a secure retirement for those who serve our state.

This year marks our 60th anniversary. We're proud to say that for more than half a century we've built a reputation on taking care of our public employees' future. We take care of their future so they can take care of Mississippi.

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# Providing Benefits for Life 

Board of Trustees<br>Public Employees' Retirement System<br>429 Mississippi Street<br>Jackson, MS 39201-1005

December 18, 2012
Dear Board Members:
I am pleased to present the 2012 Comprehensive Annual Financial Report (CAFR) of the Public Employees' Retirement System of Mississippi (the System). Despite the uncertain and fragile economy, we have continued to provide secure retirement benefits to tens of thousands of retired Mississippi public employees, while expanding our technological efficiencies and directing ourselves to maintain financial sustainability well into the future. Reporting that we remain well prepared to provide secure benefits while carefully safeguarding the retirement future of our members and retirees is my privilege. We trust that each of you will find this CAFR helpful in understanding your retirement system.

## PROFILE OF THE SYSTEM

The System was established to provide benefits for all state and public education employees, officers of the Mississippi Highway Patrol, elected members of the State Legislature, the President of the Senate, and other public employees of participating employers. Plans administered by the System include: the Public Employees' Retirement System of Mississippi (PERS), which was established by legislation in 1952; the Mississippi Highway Safety Patrol Retirement System (MHSPRS), established in 1958; the Mississippi Deferred Compensation Plan and Trust (MDC), established in 1973; the Supplemental Legislative Retirement Plan (SLRP), established in 1989; and the Municipal Retirement Systems (MRS), which came under the System's administration in 1987. As of June 30, 2012, the System's defined benefit plans served a total of 163,058 members and 89,731 retirees and beneficiaries. There are 894 participating employers from across the state. Primary sources of funding for the System include employer contributions, member contributions, and investment income. Retirement benefits paid during the fiscal year totaled $\$ 1.9$ billion. Employers contributed $\$ 802$ million during the fiscal year while members of the System contributed a total of $\$ 548$ million. As of June 30, 2012, net assets held in trust for pension benefits totaled $\$ 20.2$ billion.

The System is administered by a 10-member Board of Trustees that includes: the State Treasurer; one gubernatorial appointee who is a member of PERS; two state employees; two PERS retirees; and one representative each from public schools and community colleges, state universities, municipalities, and counties. With the exception of the State Treasurer and the gubernatorial appointee, all members are elected to staggered six-year terms by the constituents they represent. The Board of Trustees is responsible for the general administration and proper operation of the System. The executive director is designated by the Board to lead and conduct all business for the System. The Public Employees' Retirement System of Mississippi operates under legislative mandate with respect to administrative budgets, human resources, and purchasing guidelines. The System is considered a component unit of the state of Mississippi for financial reporting purposes and, as such, the financial statements contained in this report are included in the State of Mississippi's Comprehensive Annual Financial Report.

| Pat Robertson <br> Executive Director | Board of Trustees: | Lee Childress <br> Public Schools, Comm./Ir. Colleges Chairman | Virgil F. Beluc Retirees | Bill Benson <br> County <br> Employees | Lynn Fitch <br> State <br> Triasurer | Cecil Hill Institutions of Higher Learning |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Tom Lariviere <br> Municipal <br> Employees | Ed LeGrand <br> State <br> Employees | H.S. "Butch" McMillan State Employees | Richard C Miller Retirees | Jack Wilson Gubernatorial Appointee |

Annual budgets are legally adopted for the administrative expenditure portion of the System's operations and are funded by earnings of the System. Our operating budget request for the upcoming fiscal year is prepared in conjunction with a review of our strategic long-range plan. A budget request is approved by the Board of Trustees and submitted to the State Legislature, which legally enacts the budget in the form of an appropriation bill during the subsequent legislative session. Changes may be made in certain budget categories with approval of the Mississippi Department of Finance and Administration. A more detailed discussion of the budgetary process is presented in the Financial Section of this CAFR on pages 39 and 40.

## FINANCIAL INFORMATION

Our staff issues a CAFR within six months of the close of each fiscal year. The report contains basic financial statements presented in conformity with generally accepted accounting principles and audited in accordance with generally accepted auditing standards, as well as standards applicable to financial audits contained in government auditing standards. The 2012 independent audit was conducted by KPMG LLP, a firm of licensed certified public accountants. The Independent Auditors' Report is presented in the Financial Section on page 19.

This CAFR consists of management's representations concerning the finances of the System. Consequently, management assumes full responsibility for the completeness and reliability of all information presented in this report. A framework of internal controls is maintained to establish reasonable assurance that assets are safeguarded, transactions are accurately executed, and financial statements are fairly presented. The system of internal controls also includes written policies and procedures and an internal audit department that reports to the Board of Trustees. The internal audit department makes recommendations for improvements in controls and operating efficiency. The concept of reasonable assurance recognizes that the cost of a control should not appreciably exceed the benefits likely to be derived and that the analysis of costs and benefits requires estimates and professional judgments by management. Management's Discussion and Analysis (MD\&A) immediately follows the independent auditors' report and provides a narrative introduction, overview, and analysis of the basic financial statements. MD\&A complements this letter of transmittal and should be read in conjunction with this letter.

In a struggling economy, our capacity to provide retirement benefits continues to remain stable, secure, and sustainable well into the future. Since the inception of the System, the Board of Trustees has focused on a disciplined investing approach that emphasizes the fundamentals of a well-diversified portfolio of securities invested over the long term. Our asset allocation policy is strategically balanced to provide an expected level of return while incurring minimal risk, which over time will fund the liabilities of the System with the contribution rate at a level percent of payroll. The System earned a 0.6 percent rate of return on investments as of June 30, 2012, performing just below the System's benchmark return of 0.9 percent. In terms of assets under management, the Public Employees' Retirement System remains well positioned, ranking as the 67th largest among corporate and public pension plans in the United States and the 166th largest plan in the world as of February 7, and September 30, 2012, respectively.

Investing for our membership over the long term is a clear mandate in successful pension benefits administration, and one upon which our Board and management are intently focused. Over the 32 -year period since the System entered the stock market, we have experienced positive returns, as high as 31.2 percent, with the exception of four years - 2001, 2002, 2008, and 2009 - when negative returns were recorded. The average 30 -year return stands at 9.63 percent, which exceeds our expected return of 8.0 percent. Positive investment performance over the long term ensures that the System continues on firm financial ground as it navigates through a challenging economy. In uncertain economic times the road ahead may not always be smooth, but with a solid record of success, a capable and experienced staff, and persistent, diligent effort, we will move forward with our mission to provide secure retirement benefits to our members and retirees. A performance summary of rates of return compared to appropriate benchmark rates of return is located on page 75 of this report.

Annual actuarial valuations for PERS, MHSPRS, MRS, and SLRP are conducted by the consulting actuarial firm of Cavanaugh Macdonald Consulting, LLC. Actuarial assumptions and contribution rates are based on recommendations
made by the actuary. Experience investigations are performed every two years on a rolling four-year basis by the actuary to determine that actuarial assumptions are reasonably related to actual experience. Additional information regarding the actuarial valuation is presented in the notes to the basic financial statements and in the Actuarial Section of this report.

The funding ratio is a measure of the actuarial value of assets to the actuarial accrued liability. Based on the most recent actuarial valuation, PERS is 58.0 percent funded, MHSPRS is 63.7 percent funded, MRS is 46.1 percent funded, and SLRP is 67.9 percent funded. Funding status and progress is presented in the Required Supplementary Information Schedules and accompanying notes beginning on page 57. Based on fiscal year-end valuation results, each of the System's plans continue in sound condition, presuming that future contributions will be made at the level necessary to ensure adequate funding and to meet accounting standards as certified in the Actuarial Section of this report.

The Board of Trustees approved the recommendation of our consulting actuary to increase the PERS employer contribution rate from 12.93 percent to 14.26 percent, the MHSPRS employer contribution rate increased from 35.21 percent to 37.0, and the SLRP employer contribution rate remained at 7.4 percent, effective July 1, 2012.

At its October 2012 meeting, the Board of Trustees adopted a revised funding policy, aimed at stabilizing the employer contribution rate, that will set the PERS rate at 15.75 percent and the SLRP rate at 7.4 percent effective July 1, 2013. In addition, the funding policy also establishes a goal for the System to be more than 80.0 percent funded by 2042. Under the revised funding policy, contribution rates would no longer be determined annually based on a rolling 30 -year amortization period; rather the focus would be on a declining amortization period and reducing volatility in the contribution rate. These actions represent the Board's continuing commitment to further strengthen sustainability and advance the funding status of plans within the System.

## FOR THE FUTURE

Our technology objectives are centered on delivering quality customer service to our participants. To that end, the System embarked on a major project initiative to build and implement a new pension and benefits administration software solution using the most economical avenues for technical support. Our goals are focused on developing a stable, state-of-the-industry solution consisting of the implementation of a fully integrated online, customized software system that will offer online self-service to our employers, members, and retirees and be capable of supporting PERS' mission well into the 21 st century. I am pleased to report that PERS has fully completed both the design and technical aspects of our technology project and is well into the development stage, with an anticipated completion of the entire technology initiative in the summer of 2013.

The Governmental Accounting Standards Board issued two new pronouncements, Statement No. 67, Financial Reporting for Pension Plans, and Statement No. 68, Accounting and Financial Reporting for Pensions, which is applicable to most state and local government employers that offer pension benefits to their employees. The provisions incorporated within these statements create a sweeping fundamental shift from current accounting and financial reporting practice. PERS is bringing together key groups, such as staff representing the State Department of Audit, the State Department of Finance and Administration, consulting actuaries, and independent auditors, to define responsibilities and formulate a successful implementation. Statement No. 67 is effective for fiscal years beginning after June 15, 2013, and Statement No. 68 is effective for fiscal years beginning after June 15, 2014.

## AWARDS

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the System for its comprehensive annual financial report for the fiscal year ended June 30, 2011. The Certificate of Achievement is a prestigious national award, recognizing conformance with the highest standards for preparation of state and local government financial reports.

To be awarded a Certificate of Achievement, a governmental unit must publish an easily readable and efficiently organized comprehensive annual financial report with contents that conform to program standards. Such financial reports must satisfy both generally accepted accounting principles and applicable legal requirements. A Certificate of Achievement is valid for a period of only one year. The System has received a Certificate of Achievement for the last 25 consecutive years. We believe our current report continues to conform to the Certificate of Achievement Program's requirements, and we are submitting it to GFOA for evaluation.

The Public Employees' Retirement System of Mississippi's submission of a Popular Annual Financial Report to the GFOA resulted in an Award for Outstanding Achievement in Popular Annual Financial Reporting for the fiscal year ended June 30, 2011. To receive an Award for Outstanding Achievement in Popular Annual Financial Reporting, a government unit must publish a Popular Annual Financial Report with contents that conform to program standards of creativity, presentation, understandability, and reader appeal.

An Award for Outstanding Achievement in Popular Annual Financial Reporting is valid for a period of one year. The Public Employees' Retirement System of Mississippi has received a Popular Award for the last nine consecutive fiscal years. We believe our current report continues to conform to the Popular Annual Financial Reporting requirements, and we are submitting it to GFOA.

The Public Employees' Retirement System received the Public Pension Coordinating Council's (PPCC) Public Pension Standards 2012 Award in recognition of meeting professional standards for plan design and administration. The PPCC is a national confederation of state retirement associations whose standards are widely recognized benchmarks for public pension systems in the areas of plan design, funding, actuarial, and financial audits, as well as member communications.

## CONCLUSION

This report is a product of the combined efforts of the System's staff and advisors functioning under your leadership and is intended to provide extensive and reliable information as a basis for making management decisions, determining compliance with legal provisions, and determining responsible stewardship for the assets contributed by the System's members and their employers.


## Organizational Chart



2012
Board of Trustees

The Board of Trustees of the Public Employees' Retirement System of Mississippi (PERS) is responsible for designating the System's executive director, for investing all assets held by the System, and for carrying out the intent and purposes of the State Legislature by establishing rules and regulations for the administration of PERS and the transaction of its business



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# Certificate of Achievement for Excellence in Financial Reporting 

Presented to

# Public Employees' Retirement System of Mississippi 

For its Comprehensive Annual<br>Financial Report<br>for the Fiscal Year Ended<br>June 30, 2011

A Certificate of Achievement for Excellence in Financial
Reporting is presented by the Government Finance Officers
Association of the United States and Canada to government units and public employee retirement systems whose comprehensive annual financial reports (CAFRs) achieve the highest standards in government accounting and financial reporting.


Executive Director

Public Pension Coordinating Council

## Public Pension Standards Award For Funding and Administration 2012

Presented to

## Public Employees' Retirement of Mississippi

In recognition of meeting professional standards for
plan funding and administration as
set forth in the Public Pension Standards.
Presented by the Public Pension Coordinating Council, a confederation of
National Association of State Retirement Administrators (NASRA)
National Conference on Public Employee Retirement Systems (NCPERS)
National Council on Teacher Retirement (NCTR)

Alan H. Winkle
Program Administrator

## PERS Is an Investment in Community



Retail and health

The average yearly PERS benefit of $\$ 20,000$
helps retirees avoid poverty and remain active, independent citizens.
These benefits also help the state minimize public assistance costs.
a secure retirement to more than 500 Mississippi Highway Safety Patrol officers.

## KPMG LLP

Suite 1100
One Jackson Place
88 East Capitol Street
Jackson, MS 39201

## Independent Auditors' Report

The Board of Trustees
Public Employees' Retirement System of Mississippi:

We have audited the accompanying statement of fiduciary net assets of the Public Employees' Retirement System of Mississippi (the System), a component unit of the State of Mississippi, as of June 30, 2012, and the related statement of changes in fiduciary net assets for the year then ended. These basic financial statements are the responsibility of the System's management. Our responsibility is to express an opinion on these basic financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audit contained in Government Auditing Standards, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the basic financial statements are free of material misstatement. An audit includes consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the System's internal control over financial reporting. Accordingly, we express no such opinion An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets of the System as of June 30, 2012, and the changes in the System's net assets for the year then ended, in conformity with U.S. generally accepted accounting principles

In accordance with Government Auditing Standards, we have also issued our report dated November 30, 2012, on our consideration of the System's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with Government Auditing Standards and should be considered in assessing the results of our audit.
U.S. generally accepted accounting principles require that the management's discussion and analysis on pages $20-29$ and the schedules of funding progress and employer contributions on pages 57-59 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Our audit was conducted for the purpose of forming an opinion on the basic financial statements taken as a whole. The introduction section, investment section, actuarial section, statistical section and supplementary information included in Schedules 1 through 6 on pages 63-68 are presented for purposes of additional analysis and are not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The supplementary information included in Schedules 1 through 6 has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the supplementary information included in Schedules 1 through 6 is fairly stated in all material respects in relation to the basic financial statements as a whole. The introduction section, investment section, actuarial section and statistical section are presented for the purposes of additional analysis and are not a required part of the basic financial statements. Such information has not been subjected to the auditing procedures applied in the audit of the basic financial statements, and accordingly, we do not express an opinion or provide any assurance on them.

November 30, 2012

## Management's Discussion \& Analysis <br> [unaudited]

Overview of the Financial Statements

This section presents management's discussion and analysis of the Public Employees' Retirement System of Mississippi's (the System) financial position and performance for the year ended June 30, 2012. This section is presented as a narrative overview and analysis in conjunction with the Letter of Transmittal-included in the Introductory Section-the financial statements, and other information presented in the Financial Section of this Comprehensive Annual Financial Report.

The System is responsible for administering retirement benefits for all state and public education employees, sworn officers of the Mississippi Highway Safety Patrol, other public employees whose employers have elected to participate, and elected members of the State Legislature and the President of the Senate. The System is comprised of seven funds, including four defined benefit pension plans: the Public Employees' Retirement System of Mississippi (PERS), the Mississippi Highway Safety Patrol Retirement System (MHSPRS), the Municipal Retirement Systems (MRS), and the Supplemental Legislative Retirement Plan (SLRP). The System also is responsible for the administration of two defined contribution plans: the Misssissippi Government Employees' Deferred Compensation Plan \& Trust (MDC), which is a voluntary supplemental retirement savings plan, and the Optional Retirement Plan (ORP), which is offered as an alternative to PERS to certain employees of the state's institutions of higher learning. As explained in Note 2 to the basic financial statements, ORP is not part of the System's reporting entity. The System's funds, with the exception of ORP, are defined as pension (and other employee benefit) trust funds, which are fiduciary in nature. The remaining fund is the Flexible Benefits Cafeteria Plan (FBCP), which is an agency fund. Throughout this discussion and analysis, units of measure (i.e., billions, millions, and thousands) are approximate, being rounded up or down to the nearest tenth of the respective unit value.

This discussion and analysis is intended to serve as an introduction to the System's financial reporting, which is comprised of the following components:

1. Basic financial statements
2. Notes to the basic financial statements
3. Required supplementary information
4. Other supplementary schedules

Collectively, this information presents the net assets held in trust for pension benefits for each of the funds administered by the System as of June 30, 2012. This financial information also summarizes changes in net assets held in trust for pension benefits for the year then ended. The information in each of these components is briefly summarized as follows:

## 1. BASIC FINANCIAL STATEMENTS

The June 30, 2012, financial statements are presented for the fiduciary funds administered by the System. Fiduciary funds are used to account for resources held for the benefit of parties outside of the System. Fiduciary funds include pension trust funds such as PERS, MHSPRS, MRS, SLRP, and MDC, as well as an agency fund, the FBCP. A Statement of Fiduciary Net Assets and a Statement of Changes in Fiduciary Net Assets are presented for the fiduciary funds as of June 30, 2012. These financial statements reflect the resources available to pay benefits to members, including retirees and beneficiaries, as of year end, as well as the changes in those resources during the year.

## 2. NOTES TO THE BASIC FINANCIAL STATEMENTS

The notes to the financial statements provide additional information essential to a full understanding of the data provided in the basic financial statements. Information in the notes to the basic financial statements is described as follows:

## Financial Highlights

The combined net assets of the defined benefit plans administered by the System decreased by $\$ 620$ million, or 3.0 percent. This decrease was primarily the result of a decline in overall market performance compared to the 2011 market environment.

The 2012 rate of return on investments for the defined benefit plans was 0.6 percent, compared with fiscal year 2011's rate of return of 25.4 percent. Domestic, international, and global equity portfolios returned 3.2 percent, (12.7) percent, and (4.1) percent respectively for the year, while the return on debt securities was 9.2 percent. The rate of return on real estate investments was 8.2 percent, and the return on the private equity portfolio was 3.3 percent.

The defined benefit plans administered by the System were actuarially funded at an average of 58.9 percent as of June 30 2012, a decrease from the comparative average of 62.4 percent as of June 30, 2011. The decrease in funding percentage was
primarily due to continued recognition of investment losses from 2008 and 2009 and unfavorable market performance from the actuarial assumed rate of return as of year end. In addition, since the overall payroll growth rate was less than expected, it has caused upward pressure on the contribution rate attributed to the unfunded accrued liability. Funding status is further described in Note 6 of the basic financial statements.

MDC net assets decreased $\$ 3.0$ million during fiscal year 2012, primarily due to a decrease in the market value of securities at year end and decreased contributions from participants.

The MDC rates of return for investment options ranged from a high of 11.7 percent to a low of (14.15) percent compared to prior year investment option returns with a high of 42.5 percent and a low of 0.3 percent.
» Note 1 provides a general description of the System, as well as a concise description of each of the funds administered by the System. Information regarding employer and member participation in the pension plans administered by the System also is provided.
» Note 2 provides a summary of significant accounting policies, including the basis of accounting for each fund type, management's use of estimates, and other significant accounting policies.
» Note 3 describes investments, including investing authority and policies, investment risk discussion and additional information about cash, securities lending, and derivatives.
» Note 4 provides a summary of the capital assets of the System including depreciation and net holding amounts.
» Note 5 provides a summary of receivables and payables (due to/due from others).
» Note 6 provides information about the funding status and progress for the defined benefit plans administered by the System.
» Note 7 provides information about contributions to the defined benefit plans administered by the System.
» Note 8 provides information about System employees as members of PERS.
» Note 9 provides information related to historical trends.

## 3. REQUIRED SUPPLEMENTARY INFORMATION

The required supplementary information consists of schedules of funding progress, schedules of employer contributions, and related notes concerning actuarial information for the defined benefit pension plans administered by the System.
Financial Analysis
of the Systems:
Defined Benefit Plans

DEFINED BENEFIT PLANS INVESTMENT RATES OF RETURN BY INVESTMENT TYPE - FISCAL YEAR 2012-

```
CASH & EQUIVALENTS | 0.1%
DEBT SECURITIES 9.2%
        US EQUITY 3.2%
    (12.7)% NON-US EQUITY
        (4.1)% GLOBAL EQUITY
        REAL ESTATE 8.2%
    PRIVATE EQUITY 3.3%
```


## 4. OTHER SUPPLEMENTARY SCHEDULES

Other schedules include detailed information on administrative expenses incurred by the System, investment and other professional service expenses incurred, as well as the due to balances for individual municipal retirement plans. Also included are summaries of cash receipts and disbursements, a comparison of budget and actual administrative expenses, and a statement of changes for the FBCP.

## INVESTMENTS

The investment assets of the defined benefit plans administered by the System are combined in a commingled investment pool as authorized by state statute. Each plan owns an equity position in the pool and receives a proportionate investment allocation of income or loss from the pool in accordance with its respective ownership percentage. Each plan's allocated share of each type of investment in the pool is shown in the Statement of Fiduciary Net Assets. Investment gains or losses are reported in the Statement of Changes in Fiduciary Net Assets. The rate of return on investments is therefore approximately the same for each of the plans.

## TOTAL SYSTEM INVESTMENTS

At June 30, 2012, the System's total investments, before securities lending activities, approximated $\$ 19.6$ billion, a decrease of $\$ 736$ million from fiscal year 2011. The combined investment portfolio experienced a return of 0.6 percent compared with a median large public plan return of 0.9 percent*. Investment results over time compared with the System's benchmarks are presented on page 75 in the Investment Section.
*Public Funds > \$1 billion median
SHORT-TERM SECURITIES
At June 30, 2012, the System held $\$ 173$ million in short-term investments, which is $\$ 148.5$ million above 2011 holdings. Short-term investments returned 0.1 percent for the year.

DEBT SECURITIES
At June 30, 2012, the System held $\$ 4.9$ billion in debt securities, which is approximately $\$ 492.3$ million more than fiscal year 2011 holdings. Debt securities returned 9.2 percent compared with the System's benchmark return of 7.5 percent.

## EQUITY SECURITIES

At June 30, 2012, the System held $\$ 12.5$ billion in US, international, and global equity securities, a decrease of $\$ 1.8$ billion from fiscal year 2011. US, international, and global equity securities had returns of 3.2 percent, (12.7) percent, and (4.1) percent, respectively. The System's benchmark return for domestic equity securities was 3.8 percent, while the international securities benchmark returned (14.2) percent. The global securities benchmark used by the System posted a return of (5.0) percent.

## PRIVATE EQUITY

The private equity asset class, totaling $\$ 449.2$ million, posted a return of 3.3 percent. Private equities are investments in operating companies, typically accessed through limited partnerships, which provide a differentiated return stream and diversification. This asset class is generally managed for long-term gains where returns and asset value take time to develop. The System's benchmark return was 11.0 percent. The System began investing in private equities in fiscal year 2009.

REAL ESTATE
The real estate portfolio is divided between core commingled and value-added fund investments that directly invest in properties. The System also invests in managed portfolios of Real Estate Investment Trusts (REIT), which are exchange-traded securities that provide indirect exposure to real estate properties and real estate management companies. At June 30, 2012, combined holdings totaled $\$ 1.5$ billion, an increase of $\$ 169.4$ million from 2011. The System's real estate portfolio experienced a return of 8.2 percent on the total real estate portfolio. The NFI-ODCE Equal Weight Net fund, the benchmark for the System's core commingled and

Analysis of Individual Systems: Defined Benefit Plans

value-added fund investments, saw a return of 11.5 percent for the year ended June 30, 2012, while the US Select REIT Index had a return of 13.3 percent for the same period.

## SECURITIES LENDING

The System earns additional investment income by lending investment securities to broker-dealers. This is done on a pooled basis by the System's custodial bank, Bank of New York Mellon (BNYM). The broker-dealers provide collateral to BNYM and generally use the borrowed securities to cover short sales and failed trades for their clients. BNYM invests cash collateral to earn interest. For the 2012 fiscal year, net securities lending income to the System amounted to $\$ 17.3$ million, a decrease of $\$ 814$ thousand from fiscal year 2011.

## PUBLIC EMPLOYEES' RETIREMENT SYSTEM

PERS is a defined benefit plan that provides retirement benefits to all eligible State of Mississippi public employees, public education employees, other public employees whose employers have elected to participate, and elected members of the State Legislature and President of the Senate. Benefits of the plan are funded by member and employer contributions and by earnings on investments. Net assets held in trust for benefits at June 30,2012 , amounted to $\$ 19.8$ billion, a decrease of $\$ 0.6$ billion ( 2.9 percent) from $\$ 20.4$ billion at June 30, 2011.

Additions to PERS net assets held in trust for benefits include employer and member contributions and investment income. For the 2012 fiscal year, employer and member contributions of $\$ 1.3$ billion increased $\$ 57.3$ million ( 4.4 percent) above 2011. This change is attributed to an increase in the employer contribution rate effective January 1, 2012, from 12.0 percent to 12.93 percent. PERS recognized net investment income of $\$ 59.6$ million for the 2012 fiscal year compared with net investment income of $\$ 4.2$ billion for the 2011 fiscal year.

Deductions from PERS net assets held in trust for benefits primarily include retirement and beneficiary benefits, as well as administrative expenses. For the 2012 fiscal year, retirement benefits amounted to $\$ 1.9$ billion, an increase of $\$ 128.4$ million ( 7.4 percent) over the 2011 fiscal year. The increase in benefit payments was due to an increase in the number of benefit recipients, as well as an increase in the average benefit payment. For the 2012 fiscal year, the cost of administering the System amounted to $\$ 14.4$ million, an increase of $\$ 1.4$ million (10.4 percent) from fiscal year 2011. The increase in administrative expenses was due primarily to increases in the personal services and contractual services categories.

An actuarial valuation of PERS assets and benefit obligations is performed annually. At the date of the most recent actuarial valuation, June 30, 2012, the funded status of the plan decreased to 58.0 percent from 62.2 percent at June 30 , 2011. The amount by which PERS actuarial assets were less than actuarial benefit liabilities was $\$ 14.5$ billion at June 30, 2012, an increase in unfunded actuarial accrued liabilities of $\$ 2.2$ billion over June 30, 2011. The decrease in funded status is due primarily to recognition of investment losses in 2008 and 2009 smoothed over a five-year period, as well as unfavorable investment performance from the actuarial assumed rate of return at year end.

## MISSISSIPPI HIGHWAY SAFETY PATROL RETIREMENT SYSTEM

MHSPRS provides retirement benefits to sworn officers of the Mississippi Highway Safety Patrol. Benefits of the plan are funded by member and employer contributions and by earnings on investments. MHSPRS net assets held in trust for benefits at June 30, 2012, amounted to $\$ 265.2$ million, a decrease of $\$ 12.4$ million (4.5 percent) from $\$ 277.6$ million at June $30,2011$.

Additions to MHSPRS net assets held in trust for benefits include employer and member contributions and investment income. For the 2012 fiscal year, employer and member contributions were $\$ 10.7$ million, an increase of $\$ 729$ thousand ( 7.3 percent) from 2011. MHSPRS also received fees of $\$ 3.2$ million to fund retirement benefits. Contributions increased due to an increase in the number of active members, from 515 in 2011 to 547 in 2012. MHSPRS recognized net investment income of $\$ 805$ thousand for the 2012 fiscal year compared with net investment income of $\$ 57.1$ million for 2011.

Deductions from MHSPRS net assets held in trust for benefits primarily include retirement and beneficiary benefits and administrative fees. For the 2012 fiscal year, benefits amounted to $\$ 26.9$ million, an increase of $\$ 1.3$ million ( 5.1 percent) from the 2011 fiscal year. The increase in benefit payments was due to increases in the number of retirees and in the average monthly benefit. The average monthly benefit increase is generally reflective of new retirees with larger benefit payments. For the 2012 fiscal year, MHSPRS transferred $\$ 176$ thousand to the System to offset the cost of administration, an increase of \$14 thousand (8.6 percent) from 2011.

An actuarial valuation of MHSPRS assets and benefit obligations is performed annually. At the date of the most recent actuarial valuation, June 30,2012 , the funded status of the plan decreased to 63.7 percent from 67.1 percent at June 30, 2011. The amount by which the MHSPRS actuarial assets were less than actuarial benefit liabilities was $\$ 153.0$ million, compared with $\$ 136.2$ million at June 30, 2011. The decrease in funded status is due primarily to recognition of investment losses from 2008 and 2009, that are smoothed over a five-year period, and unfavorable investment performance from the actuarial assumed rate of return for fiscal year 2012.

## MUNICIPAL RETIREMENT SYSTEMS

Two municipal retirement plans and 17 fire and police disability and relief plans comprise MRS, all of which are closed to new members. Seventeen of these separate plans provide retirement benefits to municipal employees, fire fighters, and police officers who were not already members of PERS and who were hired prior to July 1, 1976. Membership in the other two plans was extended until July 1, 1987. All active employees have retired from six of the municipal plans. The financial positions of MRS plans have been aggregated for financial reporting purposes. Individual plan information is included with the specific municipality's annual financial report. Benefits of MRS are funded by employer and member contributions and by earnings on investments. The aggregated plan's net assets held in trust for benefits at June 30,2012 , amounted to $\$ 160.7$ million, a decrease of $\$ 11.7$ million ( 6.8 percent) from \$172.4 million at June 30, 2011.

Additions to MRS net assets held in trust for benefits consist of employer and member contributions and investment income. For the 2012 fiscal year, employer and member contributions of $\$ 23.6$ million were $\$ 584$ thousand ( 2.5 percent) more than contributions of $\$ 23.0$ million received in fiscal year 2011. Municipal plan employer contributions are funded through taxes levied on assessed properties. The increase is due to higher contribution amounts made by some municipalities within the plan. MRS recognized net investment income of \$487 thousand for the 2012 fiscal year compared with net investment income of $\$ 35.4$ million for the 2011 fiscal year.

Deductions from MRS net assets held in trust for benefits include retirement and beneficiary benefits and administrative fees. For the 2012 fiscal year, benefits amounted to $\$ 35.3$ million, a decrease of $\$ 261$ thousand ( 0.7 percent) from the 2011 fiscal year. The decrease in benefit payments resulted primarily from a reduction in the number of retirees due to mortality during the fiscal year. For the 2012 fiscal year, MRS transferred $\$ 469$ thousand to the System to offset the cost of administration, compared to $\$ 457$ thousand transferred for fiscal year 2011. Administrative fees are calculated based on the amount of employer contributions.

An actuarial valuation of MRS assets and benefit obligations is performed annually as of September 30. The funded status of MRS as of September 30, 2011, decreased to 46.1 percent from 47.2 percent at September 30, 2010. The amount by which the MRS actuarial assets were less than actuarial benefit liabilities was $\$ 196.0$ million at September 30, 2011, compared with $\$ 196.9$ million at September 30, 2010.

## SUPPLEMENTAL LEGISLATIVE RETIREMENT PLAN

SLRP provides supplemental retirement benefits to all elected members of the State Legislature and President of the Senate. Benefits of the plan are funded by member and employer contributions and by earnings on investments. The plan's net assets held in trust for
benefits at June 30, 2012, amounted to $\$ 13.2$ million, a decrease of $\$ 568$ thousand (4.1 percent) from $\$ 13.7$ million at June 30, 2011.

Additions to SLRP net assets held in trust for benefits include employer and member contributions and investment income. For the 2012 fiscal year, employer and member contributions were $\$ 696$ thousand, an increase of $\$ 33$ thousand ( 5.0 percent) from those of fiscal year 2011. The increase in contributions is attributed to an increase in total payroll. SLRP recognized net investment income of \$39 thousand for the 2012 fiscal year, compared with a net investment income of $\$ 2.8$ million for the 2011 fiscal year.

Deductions from SLRP net assets held in trust for benefits primarily include retirement and beneficiary benefits, as well as administrative fees. For the 2012 fiscal year, benefits amounted to $\$ 1.3$ million, an increase of $\$ 440$ thousand ( 53.1 percent) from the 2011 fiscal year. The increase in retirement benefits is due to an increase in the number of retirees, as well as an increase in average benefit payment. For the 2012 fiscal year, SLRP transferred $\$ 10$ thousand to PERS to offset the cost of administration, compared to \$9 thousand for fiscal year 2011.

An actuarial valuation of SLRP assets and benefit obligations is performed annually. At the date of the most recent actuarial valuation, June 30, 2012, the funded status of the plan decreased to 67.9 percent from 73.1 percent at June 30, 2011. The amount by which the SLRP actuarial assets were under actuarial benefit liabilities was $\$ 6.3$ million, compared with $\$ 5.0$ million at June 30 , 2011. The decrease in funded status is due primarily to recognition of investment losses from 2008 and 2009, that are smoothed over a five-year period, and unfavorable investment performance from the actuarial assumed rate of return at year end.

## ACTUARIAL VALUATIONS AND FUNDING PROGRESS

An actuarial valuation of each of the defined benefit plans administered by the System is performed annually as of June 30, with the exception of MRS, which is performed as of September 30. The funded status of each of the plans is shown in the Schedules of Funding Progress on pages 57 and 58. This table shows funding ratios for the last 10 fiscal years. The table also shows the amount by which actuarial assets exceeded or fell short of actuarial benefit liabilities.

As of June 30, 2012, funding ratios ranged from a high of 67.9 percent to a low of 46.1 percent, as compared to 73.1 percent and 47.2 percent for 2011. The average funding ratio decreased from 62.4 percent to 58.9 percent during the fiscal year. The decrease in funding status is due to growth in the number of retirees, the compounding effects of past benefit improvements, the recognition of investment losses from 2008 and 2009, and an investment rate of return for 2012 less than the actuarial assumed rate. The investment losses from 2008 and 2009, as well as the actuarial loss for 2012, are smoothed over a five-year period. At June 30, 2012, the System's total unfunded actuarial accrued liability had increased to $\$ 14.9$ billion from $\$ 12.7$ billion at June 30,2011 . This is a net increase of $\$ 2.2$ billion for the year.

To help address the funding status, the Board of Trustees, at their October 2011 meeting, approved the recommendation of the consulting actuary to increase the PERS employer contribution rate from 12.93 percent to 14.26 percent for the 2013 fiscal year. Also at its October 2011 meeting, the Board moved to increase the MHSPRS employer contribution rate from 35.21 percent to 37.0 percent, while maintaining the employer contribution rate for SLRP at 7.4 percent.

The Board's funding decisions are based on the System's funding policy, which states that the need for increases will be evaluated on an annual basis and in conjunction with recommendations made by the consulting actuary, in order to maintain the unfunded accrued liability (UAL) period within 30 years in accordance with governmental accounting standards. At the October 2012 meeting, the Board adopted a revised funding policy aimed at increasing the funded ratio to reach 80.0 percent by 2042 and developing a pattern of stable contribution rates.

NET ASSETS—DEFINED BENEFIT PLANS

- JUNE 30 -
[in thousands]

|  |  |  | MH |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Assets: | 2012 | 2011 | 2012 | 2011 | 2012 | 2011 |
| CASH, CASH EQUIVALENTS, \& RECEIVABLES | \$1,162,887 | \$746,903 | \$15,141 | \$9,889 | \$9,204 | \$6,605 |
| INVESTMENTS AT FAIR VALUE | 19,152,087 | 19,861,689 | 257,486 | 271,135 | 155,988 | 167,949 |
| INVESTED SECURITIES LENDING COLLATERAL | 3,519,155 | 3,151,546 | 47,486 | 43,177 | 28,767 | 26,746 |
| CAPITAL ASSETS | 22,190 | 19,494 | - | - | - | - |
| TOTAL ASSETS | 23,856,319 | 23,779,632 | 320,113 | 324,201 | 193,959 | 201,300 |
| Liabilities: |  |  |  |  |  |  |
| INVESTMENT ACCOUNTS \& OTHER PAYABLES | 556,695 | 250,600 | 7,408 | 3,458 | 4,511 | 2,102 |
| SECURITIES LENDING LIABILITY | 3,518,237 | 3,151,796 | 47,473 | 43,180 | 28,760 | 26,747 |
| TOTAL LIABILITIES | 4,074,932 | 3,402,396 | 54,881 | 46,638 | 33,271 | 28,849 |
| TOTAL NET ASSETS | \$19,781,387 | \$20,377,236 | \$265,232 | \$277,563 | \$160,688 | \$172,451 |



NET ASSETS—DEFINED BENEFIT PLANS (CONTINUED)

- JUNE 30 -
[in thousands]


CHANGES IN NET ASSETS—DEFINED BENEFIT PLANS (CONTINUED)

- YEAR ENDED JUNE 30 -
[in thousands]



## 457 DEFINED CONTRIBUTION PLAN

MDC was established under Section 457 of the Internal Revenue Code. MDC provides supplemental retirement benefits for plan participants. The plan is funded by participant contributions and by investment earnings. Net assets held in trust for benefits at June 30, 2012, amounted to $\$ 1.3$ billion, which was a decrease of $\$ 3.1$ million ( 0.2 percent) from net assets at June 30, 2011.

Additions to the MDC net assets held in trust for benefits include rollovers, contributions, and investment income. For the 2012 fiscal year, contributions were $\$ 84.6$ million compared to $\$ 88.3$ million in 2011, or a decrease of $\$ 3.7$ million (4.2 percent). The decrease from last year is due primarily to a decrease in the number of participants, from 40,125 in 2011 to 39,372 and continued sluggish economic conditions in 2012. Net investment income of $\$ 12.4$ million was recognized for the 2012 fiscal year compared with a net investment income of $\$ 182.2$ million for 2011.

Deductions from the MDC net assets include payments to participants and beneficiaries and rollovers. For the 2012 fiscal year, distributions amounted to $\$ 100.0$ million, an increase of $\$ 30.6$ million (44.1 percent) from the 2011 fiscal year. The increase in withdrawals is attributed to the age of the plan, economic conditions, and the withdrawal of a participating employer. As a plan ages, benefit payments increase over time and adverse economic conditions can create a need for participants to withdraw larger amounts. Benefit obligations of the 457 defined contribution plan are equal to the participants' account balances, which are equal to net assets of the plan.

REQUESTS FOR INFORMATION
This financial report is designed to provide a general overview of the finances of the System. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to:

Public Employees' Retirement System of Mississippi
Accounting Department
429 Mississippi Street
Jackson, MS 39201-1005

NET ASSETS—IRC 457 PLAN

- JUNE 30 -
[in thousands]


CHANGES IN NET ASSETS-IRC 457 PLAN

- YEAR ENDED JUNE 30 -
[in thousands]

|  | IRC 457 PLAN MDC |  |  |
| ---: | :---: | :---: | :---: | :---: |
| Additions: | 2012 | 2011 | PERCENT <br> CHANGE |
| CONTRIBUTIONS | $\$ 84,591$ | $\$ 88,308$ | $(4.21) \%$ |
| INVESTMENT INCOME | 12,364 | 182,210 | $\mathbf{( 9 3 . 2 1 )}$ |
| TOTAL ADDITIONS | 96,955 | $\mathbf{2 7 0 , 5 1 8}$ | $\mathbf{( 6 4 . 1 6 )}$ |


| Deductions: |  |  |  |
| ---: | :---: | ---: | :---: |
| PENSION BENEFITS | 100,008 | 69,397 | 44.11 |
| TOTAL DEDUCTIONS | $\mathbf{1 0 0 , 0 0 8}$ | $\mathbf{6 9 , 3 9 7}$ | $\mathbf{4 4 . 1 1}$ |
| INCREASE (DECREASE) <br> IN NET ASSETS | $\$(3,053)$ | $\$ 201,121$ | $\mathbf{( 1 0 1 . 5 2 ) \%}$ |

PUBLIC EMPLOYEES' RETIREMENT SYSTEM OF MISSISSIPPI
STATEMENT OF FIDUCIARY NET ASSETS

- JUNE 30, 2012
[in thousands]


[^0]PUBLIC EMPLOYEES' RETIREMENT SYSTEM OF MISSISSIPPI STATEMENT OF FIDUCIARY NET ASSETS (CONTINUED) - JUNE 30, 2012
[in thousands]

|  | TOTAL DEFINED <br> BENEFIT PENSION <br> PLANS | IRC 457 <br> PLAN MDC | TOTAL PENSION <br> TRUST FUNDS | AGENCY <br> FUNDS | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ASSETS |  |  |  |  |  |
| CASH \& CASH | $\$ 505,685$ | $\$ 3,230$ | $\$ 508,915$ | $\$ 14$ | $\$ 508,929$ |

## ASSETS



DUE FROM OTHER FUNDS

| CAPITAL ASSETS, AT COST, NET OF | 22,190 | - | 22,190 | - |
| ---: | ---: | ---: | ---: | ---: |
| ACCUMULATED DEPRECIATION (NOTE 4) | $24,386,283$ | $\mathbf{1 , 2 8 9 , 9 9 1}$ | $\mathbf{2 5 , 6 7 6 , 2 7 4}$ | $\mathbf{1 5}$ |
| TOTAL ASSETS | $\mathbf{2 4 , 3 2}$ | $\mathbf{2 5 , 6 7 6 , 2 8 9}$ |  |  |

LIABILITIES

| ACCOUNTS PAYABLE | 568,957 | 180 | 569,137 | 15 | 569,152 |
| ---: | ---: | ---: | ---: | ---: | ---: |
| \&ACCRUED EXPENSES | $3,596,835$ | - | $3,596,835$ | - | $3,596,835$ |
| OBLIGATIONS UNDER |  |  |  |  |  |
| SECURITIES LENDING | 15 | - | 15 | - | 15 |
| DUE TO STATE OF |  |  |  |  |  |

DUE TO OTHER FUNDS

| TOTAL LIABILITIES | $4,165,807$ | 180 | $4,165,987$ | 15 | $4,166,002$ |
| ---: | ---: | ---: | ---: | ---: | ---: |
| NET ASSETS HELD IN TRUST |  |  |  |  |  |
| FOR PENSION BENEFITS | $\$ 20,220,476$ | $\$ 1,289,811$ | $\$ 21,510,287$ | $\$-$ | $\$ 21,510,287$ |

The accompanying notes are an integral part of these basic financial statements.

PUBLIC EMPLOYEES' RETIREMENT SYSTEM OF MISSISSIPPI
STATEMENT OF CHANGES IN FIDUCIARY NET ASSETS

- FOR THE YEAR ENDED JUNE 30, 2012-
[in thousands]



[^1]PUBLIC EMPLOYEES' RETIREMENT SYSTEM OF MISSISSIPPI STATEMENT OF CHANGES IN FIDUCIARY NET ASSETS (CONTINUED) - FOR THE YEAR ENDED JUNE 30, 2012-
[in thousands]

| TOTAL DEFINED |  | TOTAL PENSION |
| :---: | :---: | :---: |
| BENEFIT PENSION | IRC 457 PLAN | TRUST FUNDS |
| PLANS | MDC | 2012 |

ADDITIONS
Contributions:

| Contributions: |  |  |  |
| :---: | :---: | :---: | :---: |
| EMPLOYER | \$801,651 | \$972 | \$802,623 |
| MEMBER | 547,860 | 83,619 | 631,479 |
| TOTAL CONTRIBUTIONS | 1,349,511 | 84,591 | 1,434,102 |
| Net Investment Income: |  |  |  |
| NET DEPRECIATION IN FAIR VALUE | $(431,176)$ | $(3,418)$ | $(434,594)$ |
| INTEREST \& DIVIDENDS | 519,108 | 15,782 | 534,890 |
| TOTAL BEFORE LENDING ACTIVITIES | 87,932 | 12,364 | 100,296 |
| Securities Lending: |  |  |  |
| NET APPRECIATION IN FAIR VALUE | 3,300 | - | 3,300 |
| INTEREST | 16,735 | - | 16,735 |
| PROGRAM FEES | $(2,742)$ | - | $(2,742)$ |
| NET INCOME FROM SECURITIES LENDING | 17,293 | - | 17,293 |
| MANAGERS' FEES \& TRADING COSTS | $(44,299)$ | - | $(44,299)$ |
| NET INVESTMENT INCOME | 60,926 | 12,364 | 73,290 |
| Other Additions: |  |  |  |
| ADMINISTRATIVE FEES | - | - | - |
| OTHER | 3,255 | - | 3,255 |
| TOTAL OTHER ADDITIONS | 3,255 | - | 3,255 |
| TOTAL | 1,413,692 | 96,955 | 1,510,647 |



NET ASSETS HELD IN TRUST
FOR PENSION BENEFITS:

| BEGINNING OF YEAR | $20,840,987$ | $\mathbf{1 , 2 9 2 , 8 6 4}$ | $22,133,851$ |
| ---: | ---: | ---: | ---: |
| END OF YEAR | $\$ 20,220,476$ | $\$ 1,289,811$ | $\$ 21,510,287$ |

The accompanying notes are an integral part of these basic financial statements.

Public Employees' Retirement
System of Mississippi
Notes to Basic Financial Statements

JUNE 30, 2012

Note 1: Plan Description
GENERAL
The Public Employees' Retirement System of Mississippi (System) is the administrator of six fiduciary funds, of which five are pension trust funds and one an agency fund, as listed below. The System also is the administrator of the Optional Retirement Plan, a defined contribution plan, but as explained in Note 2, that plan is not part of the System's reporting entity.

## PLAN NAME

PUBLIC EMPLOYEES' RETIREMENT SYSTEM OF MISSISSIPPI (PERS)
MISSISSIPPI HIGHWAY SAFETY PATROL RETIREMENT SYSTEM (MHSPRS)

MUNICIPAL RETIREMENT SYSTEMS AND FIRE AND POLICE DISABILITY AND RELIEF FUND (MRS)*

SUPPLEMENTAL LEGISLATIVE RETIREMENT PLAN (SLRP)
MISSISSIPPI GOVERNMENT EMPLOYEES' DEFERRED
COMPENSATION PLAN \& TRUST (MDC)
FLEXIBLE BENEFITS CAFETERIA PLAN (FBCP)

TYPE OF PLAN

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Cost-sharing multiple-employer defined benefit plan
Single-employer defined benefit plan
Agent multiple-employer defined benefit plan
Single-employer defined benefit plan
IRC 457 defined contribution plan
Agency
```

*Closed to new members
The System's purpose is to provide pension benefits for all state and public education employees, sworn officers of the Mississippi Highway Safety Patrol, other public employees whose employers have elected to participate in the System, and elected members of the State Legislature and the President of the Senate.

A summary of participating employers and members follows:

SUMMARY OF PARTICIPATING EMPLOYERS AND MEMBERS


[^2]
## MEMBERSHIP AND BENEFIT PROVISIONS

## (1) Public Employees' Retirement System of Mississippi

Membership in PERS is a condition of employment granted upon hiring for qualifying employees and officials of the State of Mississippi (the State), state universities, community and junior colleges, and teachers and employees of the public school districts. For those persons employed by political subdivisions and instrumentalities of the State, membership is contingent upon approval of the entity's participation in PERS by the System's Board of Trustees. If approved, membership for the entity's employees is a condition of employment and eligibility is granted to those who qualify upon hiring. A member who terminates employment from all covered employers and who is not eligible to receive monthly retirement benefits may request a refund of his or her accumulated member contributions plus interest.

Participating members who are vested and retire at or after age 60 or those who retire regardless of age with at least 30 years of creditable service ( 25 years of creditable service for employees who became members of PERS before July 1, 2011) are entitled, upon application, to an annual retirement allowance payable monthly for life in an amount equal to 2.0 percent of their average compensation for each year of credited service up to and including 30 years ( 25 years for those who became members of PERS before July 1, 2011), plus 2.5 percent for each additional year of credited service with an actuarial reduction in the benefit for each year of creditable service below 30 years or the number of years in age that the member is below 65, whichever is less. Average compensation is the average of the employee's earnings during the four highest compensated years of credited service. A member may elect a reduced retirement allowance payable for life with the provision that, after death, a beneficiary receives benefits for life or for a specified number of years. Benefits vest upon completion of eight years of membership service (four years of membership service for those who became members of PERS before July 1, 2007). PERS also provides certain death and disability benefits. Benefit provisions are established by Miss. Code Ann. § 25-11-1 et seq., (1972, as amended) and may be amended only by the Mississippi Legislature.

A Cost-of-Living Adjustment (COLA) payment is made to eligible retirees and beneficiaries. The COLA is equal to 3.0 percent of the annual retirement allowance for each full fiscal year of retirement up to the year in which the retired member reaches age 60 ( 55 for those who became members of PERS before July 1, 2011), with 3.0 percent compounded for each fiscal year thereafter. For the year ended June 30,2012, the total annual COLA payments for PERS were $\$ 402,514,750$.

## (2) Mississippi Highway Safety Patrol Retirement System

Membership in MHSPRS is a condition of employment granted upon hiring for all officers of the Mississippi Highway Safety Patrol who have completed a course of instruction in an authorized highway patrol training school on general law enforcement and who serve as sworn officers of the highway patrol in the enforcement of the laws of the State of Mississippi. Participating members who withdraw from service at or after age 55 with at least five years of membership service, or after reaching age 45 with at least 20 years of credited service, or with 25 years of service at any age, are entitled, upon application, to an annual retirement allowance payable monthly for life in an amount equal to 2.5 percent of average compensation during the four highest consecutive years of earnings, reduced 3.0 percent for each year below age 55 or 3.0 percent for each year under 25 years of service, whichever is less. MHSPRS also provides certain death and disability benefits. A member who terminates employment from the highway patrol and who is not eligible to receive monthly retirement benefits may request a refund of his or her accumulated employee contributions plus interest. Benefit provisions for MHSPRS are established by Miss. Code Ann. § 25-13-1 et seq., (1972, as amended) and may be amended only by the Mississippi Legislature.

A COLA payment is made to eligible retirees and beneficiaries. The COLA is equal to 3.0 percent of the annual retirement allowance for each full fiscal year of retirement up to the year in which the retired member reaches age 60, with 3.0
percent compounded for each fiscal year thereafter. For the year ended June 30, 2012, the total annual COLA payments for MHSPRS were $\$ 7,115,602$.
(3) Municipal Retirement Systems

Membership in the two general Municipal Retirement Systems and the 17 Fire and Police Disability and Relief Systems was granted to all municipal employees, fire fighters, and police officers who were not already members of PERS and who were hired prior to July 1, 1976. Two fire and police plans elected to extend the eligibility period for membership to July 1, 1987. Eligible employees hired after these periods automatically become members of PERS. The Municipal Retirement Systems were all closed to new members by July 1, 1987.

Regardless of age, participating employees who retire with at least 20 years of membership service are entitled to an annual retirement allowance payable monthly for life in an amount equal to 50.0 percent of their average monthly compensation and an additional 1.7 percent for each year of credited service beyond 20 years, not to exceed 66.67 percent of average monthly compensation, except as may otherwise be provided through local and private legislation. Average monthly compensation for the two Municipal Retirement Systems and the 17 Fire and Police Disability and Relief Systems is the monthly average for the last six months of service. Certain participating employers provide a minimum monthly retirement allowance. Benefits vest upon reaching 20 years of credited service. MRS plans also provide certain death and disability benefits. Members who terminate employment from all covered employers and are not eligible to receive monthly retirement benefits may request a refund of employee contributions. Benefit provisions are established by Miss. Code Ann. § 21-29-1 et seq., Articles 1, 3, 5, and 7, (1972, as amended), as amended, and annual local and private legislation. Statutes may be amended only by the Mississippi Legislature.

The retirees and beneficiaries of MRS plans with provisions for additional payments, who are receiving a retirement allowance on July 1 of each fiscal year, may be entitled to an additional payment. This payment is equal to the annual percentage change of the Consumer Price Index (CPI) but not to exceed 2.5 percent of the annual retirement allowance for each full fiscal year of retirement. Certain MRS plans may adopt an annual adjustment other than one linked to the change in the CPI. These additional payments will be made only when funded by the employers. For the year ended June 30, 2012, the total additional annual payments for MRS plans were $\$ 5,271,164$.

## (4) Supplemental Legislative Retirement Plan

Membership in SLRP is composed of all elected members of the State Legislature and the President of the Senate. This plan is designed to supplement the provisions of PERS. Those serving when SLRP became effective July 1, 1989, had 30 days to waive membership. Those elected after July 1, 1989, automatically become members.

The retirement allowance is 50.0 percent of an amount equal to the retirement allowance payable by PERS, determined by credited service as an elected senator or representative in the State Legislature or as President of the Senate. Benefits vest upon completion of the requisite number of membership service years in PERS. SLRP also provides certain death and disability benefits. A member who terminates legislative employment and who is not eligible to receive monthly retirement benefits may request a refund of his or her accumulated employee contributions plus interest. Benefit provisions for SLRP are established by Miss. Code Ann. § 25-11-301 et seq., (1972, as amended) and may be amended only by the Mississippi Legislature.

Retirees and beneficiaries of SLRP may receive additional amounts calculated identically to PERS retirees and beneficiaries. For the year ended June 30, 2012, the total additional annual payments for SLRP were $\$ 200,325$.
(5) Mississippi Government Employees' Deferred Compensation Plan \& Trust The State offers its employees a deferred compensation plan created in accordance with Internal Revenue Code §457. The term "employee" means any person—whether appointed,
elected, or under contract—providing services for the State, state agencies, counties, municipalities, or other political subdivisions, for which compensation is paid. The plan permits employees to defer a portion of their income until future years. The deferred compensation is available to employees at termination, retirement, death, unforeseeable emergency, or can be rolled over to the System for purchase of eligible service credit.

The PERS Board of Trustees amended the plan to provide that all assets and income of the plan shall be held in trust for the exclusive benefit of participants and their beneficiaries in order to comply with amendments to $\S 457$ of the Internal Revenue Code.

The System has no liability for losses under the plan but does have the duty of due care that would be required of a prudent investor. At June 30, 2012, total plan assets aggregated $\$ 1,289,991,000$ with 39,372 participants.

## (6) Flexible Benefits Cafeteria Plan

Miss. Code Ann. § 25-17-3 (1972, as amended) authorizes any state agency to adopt a benefit plan that meets the requirements of a cafeteria plan as defined in § 1-25 et seq. of the Internal Revenue Code of 1954, and regulations there under, for the benefit of eligible employees and their dependents. The FBCP was established as an agency fund to account for transactions related to those employees of the System who participate in the cafeteria plan.

MEMBER AND EMPLOYER OBLIGATIONS TO CONTRIBUTE
Members covered by PERS and MHSPRS are required to contribute 9.0 and 7.25 percent, respectively of their earned compensation toward retirement. Members of SLRP are required to contribute 3.0 percent of their compensation in addition to the 9.0 percent required by PERS. If an employee covered by PERS, MHSPRS, or SLRP leaves employment, accumulated member contributions plus interest are refunded to the member upon request. The interest paid on member accounts was 3.5 percent in 2012. In the event of death prior to retirement of any member whose spouse and/or children are not entitled to a retirement allowance, the deceased member's accumulated contributions and interest are paid to the designated beneficiary. Each employer contributes the remaining amounts necessary to finance the plan. Contribution provisions are established by Miss. Code Ann. (1972, as amended) § 25-11-1 et seq. for PERS, § 25-13-1 et seq. for MHSPRS, and § 25-11-301 et seq. for SLRP. These statutes may be amended only by the Mississippi Legislature.

Members covered by MRS are required to contribute amounts varying from 7.0 percent to 10.0 percent of their salary, depending on the actuarial soundness of their respective plans. Any increase to the 7.0 percent base contribution rate is made in increments not to exceed 1.0 percent per year. If a member leaves covered employment, accumulated member contributions are refunded to the member upon request. Members covered by MRS do not receive interest on their accumulated contributions. Each employer contributes the remaining amounts necessary to finance participation of its own employees in MRS. Contribution provisions are established by Miss. Code Ann. § 21-29-1 et seq., Articles 1, 3, 5, and 7, (1972, as amended) and annual local and private legislation. Statutes may be amended only by the Misssissippi Legislature.

Note 2: Summary of Significant Accounting Policies

## FINANCIAL REPORTING ENTITY

The reporting entity for the System and its component units consists of five pension trust funds and one agency fund. The pension trust funds are PERS, MHSPRS, MRS, SLRP, and MDC. These financial statements are included in the financial statements of the State of Mississippi. The agency fund is the FBCP. The component units of the System are included in the System's reporting entity due to their financial relationships. Although the component units are legally separate from the System, they are reported as if they were part of the System because the governing boards of each are identical. The System is considered a component unit of the State of Mississippi reporting entity in accordance with Governmental Accounting Standards Board (GASB) 14, The Financial Reporting Entity.

The membership of the ORP is composed of teachers and administrators of institutions of higher learning appointed or employed on or after July 1, 1990, who elect to participate in ORP and reject membership in PERS. Title 25, Article 11 of the Mississippi Code states that the Board of Trustees of the System will provide for administration of the ORP program. ORP participants direct the investment of their funds among three investment vendors. Benefits payable to plan participants are not obligations of the State of Mississippi. Such benefits and other rights of participants or their beneficiaries are the liability of the vendors and are governed solely by the terms of the annuity contracts issued by them. As such, ORP is not considered part of the System's reporting entity for financial reporting purposes.

BASIS OF PRESENTATION - FUND ACCOUNTING
Fiduciary funds are used to account for assets held by the System in a trustee capacity or as an agent. Fiduciary funds include PERS, MHSPRS, MRS, SLRP, and MDC pension trust funds. Agency funds are custodial in nature and do not involve measurement of results of operations. FBCP is accounted for as an agency fund.

## BASIS OF ACCOUNTING

PERS, MHSPRS, MRS, SLRP, and MDC use the accrual basis of accounting and the economic resources measurement focus. Member and employer contributions are recognized as revenue when due pursuant to formal commitments, as well as statutory requirements; investment income is recognized when earned. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan. Other expenses are recognized when incurred. Investments for PERS, MHSPRS, MRS, SLRP, and MDC are reported at fair value. Securities traded on a national or international exchange are valued at the last reported sales price at current exchange rates. Corporate bonds are valued based on yields currently available on comparable securities from issuers of similar credit ratings. Mortgage securities are valued on the basis of future principal and interest payments and are discounted at prevailing interest rates for similar instruments. Short-term investments are reported at fair value when published prices are available or at cost plus accrued interest, which approximates fair value. The fair value of commingled real estate funds is based on independent appraisals, while REITs traded on a national or international exchange are valued at the last reported sales price at current exchange rates. For individual investments where no readily ascertainable fair value exists, the System, in consultation with its investment advisors and custodial bank, has determined the fair values.

## BUDGETARY DATA

Annual budgets are legally adopted on a modified cash basis for the administrative expenditure portion of the pension trust funds. The System uses the following procedures in the budgetary process:
" Approximately one year in advance, the System prepares a proposed operating budget for the upcoming fiscal year. The operating budget includes proposed expenditures and the means of financing them.
» At the beginning of August, the proposed budget for the fiscal year commencing the following July is submitted to the Department of Finance and Administration and the

Joint Legislative Budget Committee. Budget hearings are conducted by these bodies resulting in recommendations for changes.
» In January, the proposed budget and the recommendations proposed by the Department of Finance and Administration and the Joint Legislative Budget Committee are presented to the State Legislature. The State Legislature makes any revisions it deems appropriate and then legally enacts the System's budget in the form of an appropriation bill.
» The System is authorized to transfer budget amounts between major expenditure classifications on a limited basis subject to approval by the Department of Finance and Administration.
» Spending authority lapses for appropriated funds that remain undisbursed at August 31.

## CAPITAL ASSETS

Capital assets used for administering the plans are carried at historical cost (see Note 4). Depreciation is provided using the straight-line method. The System's policy is to capitalize all acquisitions of furniture and equipment with a unit cost of $\$ 5$ thousand or more. The following schedule summarizes estimated useful lives by asset classification:


## ACCUMULATED PERSONAL LEAVE AND MAJOR MEDICAL LEAVE

Miss. Code Ann. § 25-3-97, (1972, as amended) authorizes a lump sum payment for a maximum of 30 days of accrued personal leave upon termination of employment. No payment is authorized for accrued major medical leave unless the member presents medical evidence that his or her physical condition is such that he or she no longer has the capacity to work in state government. Accumulated personal leave (including fringe benefits) of employees directly related to the administration of the System is paid from the pension trust funds and is accrued in the financial statements when earned, up to a maximum of 30 days per member. The System does not accrue accumulated major medical leave since it is not probable that the compensation will be paid and since the leave vests only upon termination for medical disability.

## USE OF ESTIMATES IN THE PREPARATION OF FINANCIAL STATEMENTS

The preparation of financial statements in conformity with US generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at June 30, 2012, and the reported amounts of additions to and deductions from net assets during the year then ended. Actual results could differ from those estimates.

## GASB IMPLEMENTATION DEVELOPMENT

The Governmental Accounting Standards Board issued two new pronouncements, Statement No.
67, Financial Reporting for Pension Plans, and Statement No. 68, Accounting and Financial Reporting for Pensions, which is applicable to most state and local government employers that offer pension benefits to their employees. PERS is bringing together key groups, such as staff representing the State Department of Audit, the State Department of Finance and Administration, consulting actuaries and independent auditiors, to define responsibilities and formulate a successful implementation. Statement No. 67 is effective for fiscal years beginning after June 15, 2013, and Statement No. 68 is effective for fiscal years beginning after June 15, 2014.

Note 3: Cash, Cash Equivalents and Investments

LEGAL PROVISIONS
The System is authorized by Miss. Code Ann. § 25-11-121, (1972, as amended)
to invest in the following:
» Bonds, notes, certificates, and other valid general obligations of the State, or of any county, city, or supervisor's district of any county of the State;
» School district bonds of the State;
» Notes or certificates of indebtedness issued by the Veterans' Home Purchase Board of Mississippi;
» Highway bonds of the State;
" Corporate bonds rated by Standard and Poor's Corporation (S\&P) or Moody's Investors Service;
» Short-term obligations of corporations or of wholly-owned subsidiaries of corporations, whose short-term obligations are rated A-3 or better by S\&P or rated P-3 or better by Moody's. The Board of Trustees has established a policy that further limits investments of this type to only those corporations whose short-term obligations are rated A-2 or P-2 by S\&P or Moody's, respectively;
» Bonds of the Tennessee Valley Authority;
» Bonds, notes, certificates, and other valid obligations of the United States of America, or any federal instrumentality that issues securities under authority of an act of Congress and are exempt from registration with the US Securities and Exchange Commission;
» Bonds, notes, debentures, and other securities issued by any federal instrumentality and fully guaranteed by the United States of America;
» Bonds, stocks, and convertible securities of established foreign companies that are listed on primary national stock exchanges of foreign nations and in foreign government securities. The System is authorized to hedge such transactions through foreign banks and generally deal in foreign exchange through the use of foreign currency, interbank forward contracts, futures contracts, options contracts, swaps, and other related derivative instruments;
» Interest-bearing bonds or notes that are general obligations of any other state in the United States of America or any city or county therein, provided such city or county had a population as shown by the most recent federal census of not less than 25,000 inhabitants, and provided that such state, city, or county has not defaulted for a period longer than 30 days in the payment of principal or interest on any of its general obligation indebtedness over a period of 10 calendar years immediately preceding such investment;
" Shares of common and/or preferred stock of corporations created by or existing under the laws of the United States of America or any state, district, or territory thereof;
» Covered call and put options on securities traded on one or more of the regulated exchanges;
» Pooled or commingled funds managed by a corporate trustee or by a US Securities and Exchange Commission registered investment advisory firm and shares of investment companies and unit investment trusts registered under the Investment Company Act of 1940. Such pooled or commingled funds or shares are comprised of common or preferred stocks, bonds, money market instruments, or other authorized investments;
» Pooled or commingled real estate funds or real estate securities managed by a corporate trustee or by a Securities and Exchange Commission registered investment advisory firm retained as an investment manager by the Board of Trustees of the System; and
» Up to 10.0 percent of the total book value of investments can be types of investments not specifically authorized by this section, if the investments are in the form of a separate account managed by a Securities and Exchange Commission registered investment advisory firm retained as an investment manager by the Board; or a limited partnership or commingled fund.

The System also is authorized by its Board of Trustees to operate a securities lending program and has contracted with its custodian to reinvest cash collateral received from the transfer of securities in any investment instrument authorized by Miss. Code Ann. § 25-11-121, (1972, as amended).

Miss. Code Ann. § 25-11-121 (1972, as amended), requires the System's Board of Trustees to determine the degree of collateralization necessary for both foreign and domestic demand deposits in addition to that which is guaranteed by federal insurance programs. These statutes also require that, when possible, the types of collateral securing deposits be limited to securities in which the System itself may invest. The Board of Trustees has established a policy to require collateral equal to at least 100.0 percent of the amount on deposit in excess of that which is guaranteed by federal insurance programs to the credit of the System for domestic demand deposit accounts. No collateral is required for foreign demand deposit accounts, and at June 30, 2012, the System had no deposits in foreign demand deposit accounts.

## CASH AND CASH EQUIVALENTS

For cash deposits and cash equivalents, custodial credit risk is the risk that, in the event of a bank failure, the government's deposits may not be returned to it. The Miss. Code Ann. § 25-11-121, (1972, as amended) provides that the deposits of the System in any US bank shall, where possible, be safeguarded and guaranteed by the posting of bonds, notes, and other securities as security by the depository. The System's Board of Trustees has formally adopted a short-term investment policy that requires that the market value of securities guaranteeing the deposits shall at all times be equal to 100.0 percent of the amount of funds on deposit.

The amount of the System's total cash and cash equivalents at June 30,2012 , was $\$ 508,929,000$. Cash deposits in bank accounts totaled \$2,907,000, which were covered by federal deposit insurance. At June 30, 2012, the System held \$503,751,000 in cash equivalents. Cash equivalents are created through daily sweeps of excess cash by the System's custodial bank into a banksponsored short-term investment fund. This fund is a custodial bank-sponsored commingled fund that is invested in short-term US government securities and repurchase agreements. The average S\&P short-term quality rating of the fund was A-1 at June 30, 2012.

## INVESTMENTS

All of the investment assets of MHSPRS, MRS, and SLRP are combined with those of PERS and invested in short-term and long-term debt securities, public equity securities, private equity, absolute return investments, and real estate. These investments are accounted for as part of the PERS pension trust fund and are allocated to MHSPRS, MRS, and SLRP based on their equitable interest in the PERS fund. All investments are reported at fair value.

All investments are governed by the Board's policy of the prudent person rule. The prudent person rule establishes a standard for all fiduciaries to act as a prudent person would be expected to act, with discretion and intelligence, while investing for income and preservation of principal.

The Miss. Code Ann. § 25-11-121, (1972, as amended) allows the System to invest up to 10.0 percent of the total portfolio in real estate only via real estate securities and commingled funds. Direct ownership of real estate assets is prohibited. The portfolio is divided between core commingled and value-added real estate fund investments, which directly invest in
properties, and in managed portfolios of Real Estate Investment Trusts (REIT). REITs are exchange traded securities that provide indirect exposure to real estate properties and real estate management companies. Fair values of commingled fund properties are based on the most recent independent appraisal values. Independent appraisal firms, which are Members of Appraisal Institute (MAI), are required to conduct valuations at least annually.

In fiscal year 2009, PERS began investing in private equity and absolute return investments. The Board's long-term policy asset allocation target includes 5.0 percent private equity and 5.0 percent absolute return strategies. Private equity was adopted to provide returns in excess of those provided through publicly traded stocks and bonds. Absolute return strategies provide returns that are not correlated with the public equity markets.

The following table presents the fair value of investments by type at June 30, 2012 (in thousands):

| INVESTMENT TYPE | FAIR VALUE |
| :---: | :---: |
| COMMERCIAL PAPER | \$1,107,691 |
| REPURCHASE AGREEMENTS | 675,376 |
| INTERNATIONAL CURRENCY | $(47,583)$ |
| US GOVERNMENT AGENCY OBLIGATIONS | 270,538 |
| US TREASURY OBLIGATIONS | 1,596,052 |
| COLLATERALIZED MORTGAGE OBLIGATIONS | 521,598 |
| CORPORATE BONDS | 2,489,442 |
| MORTGAGE PASS-THROUGHS | 638,012 |
| STATE \& LOCAL OBLIGATIONS | 100,933 |
| ASSET-BACKED SECURITIES | 920,310 |
| YANKEE/GLOBAL BONDS | 49,107 |
| SOVEREIGN AGENCIES DEBT | 30,807 |
| SOVEREIGN GOVERNMENTS DEBT | 350,227 |
| DOMESTIC EQUITY SECURITIES | 8,412,874 |
| INTERNATIONAL EQUITY SECURITIES | 4,277,439 |
| REAL ESTATE | 1,477,796 |
| PRIVATE EQUITY | 449,172 |
| MONEY MARKET FUND | 23,433 |
| FIXED INCOME FUNDS | 66,755 |
| ASSET ALLOCATION FUNDS | 61,826 |
| FIXED \& VARIABLE FUNDS | 546,113 |
| LIFE INSURANCE CONTRACTS | 341 |
| EQUITY FUNDS | 442,127 |
| total | \$24,460,386 |

CUSTODIAL CREDIT RISK
For an investment, custodial credit risk is the risk that, in the event of the failure of the counterparty, the pension trust fund will not be able to recover the value of its investment or collateral securities that are in the possession of an outside party. Investment securities are exposed to custodial credit risk if the securities are uninsured, are not registered in the name of the government and are held by either (a) the counterparty or (b) the counterparty's trust department or agent but not in the government's name. The Miss. Code Ann. § 25-11-121, (1972, as amended) requires that all investments be clearly marked as to ownership, and to the extent possible, shall be registered in the name of the System.

Of the defined benefit pension funds' $\$ 23.2$ billion in investments at June $30,2012, \$ 3.6$ billion were exposed to custodial credit risk. These are cash collateral reinvestment securities held in the name of the custodian who acquired them as the lending agent/counterparty. This is consistent with the System's securities lending agreement in place with the custodian.

The fair value of cash collateral securities as of June 30, 2012, are presented by type below:


INTEREST RATE RISK
As of June 30, 2012, the System had the following debt security investments and maturities:

|  | FAIR VALUE |  | ESTMENT MA | ES (IN YEARS) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| INVESTMENT TYPE | (IN THOUSANDS) | LESS THAN 1 | 1-5 | 6-10 | MORE THAN 10 |
| ASSET-BACKED SECURITIES | \$920,310 | \$786,403 | \$77,231 | \$18,037 | \$38,639 |
| COLLATERALIZED MORTGAGE OBLIGATIONS | 521,598 | 46,593 | 876 | 12,885 | 461,244 |
| COMMERCIAL PAPER | 1,107,691 | 1,107,691 | - | - |  |
| CORPORATE BONDS | 2,489,442 | 559,409 | 1,049,114 | 557,569 | 323,350 |
| MORTGAGE PASS-THROUGHS | 638,012 | - | 642 | 18,927 | 618,443 |
| REPURCHASE AGREEMENTS | 675,376 | 675,376 | - | - |  |
| STATE \& LOCAL OBLIGATIONS | 100,933 | - | 4,820 | 11,970 | 84,143 |
| US GOVERNMENT AGENCY OBLIGATIONS | 270,538 | 7,908 | 236,206 | 9,664 | 16,760 |
| US TREASURY OBLIGATIONS | 1,596,052 | 14,112 | 655,313 | 586,841 | 339,786 |
| Yankee/GLOBAL BONDS | 49,107 | 10,519 | 25,584 | 7,577 | 5,427 |
| SOVEREIGN AGENCIES DEBT | 30,807 | 15,600 | 11,811 | 3,396 | - |
| SOVEREIGN GOVERNMENTS DEBT | 350,227 | 7,516 | 99,781 | 129,515 | 113,415 |
| totals | \$8,750,093 | \$3,231,127 | \$2,161,378 | \$1,356,381 | \$2,001,207 |

The System does not have a formal investment policy that limits investment maturities as a means of managing its exposure to potential fair value losses arising from future changes in interest rates. Market or interest rate risk is the greatest risk faced by an investor in the debt securities market. The price of a debt security typically moves in the opposite direction of the change in interest rates. Derivative securities, variable rate investments with coupon multipliers greater than one, and securities with long terms to maturity are examples of investments whose fair values may be highly sensitive to interest rate changes. These securities are reported at fair value in the Statement of Fiduciary Net Assets. Inverse floaters and variable rate investments with coupon multipliers greater than one are prohibited under the System's derivatives policy.

Miss. Code Ann. § 25-11-121, (1972, as amended) provides for the acquisition of derivative instruments by the System. The System adopted a formal derivatives policy in February 1996 with updates adopted in June 2005. During fiscal year 2012, the investments in derivative securities by the System were exclusively in asset/liability-based derivatives such as interest-only (IO) strips, collateralized mortgage obligations, and asset-backed securities. The System reviews fair values of all securities on a monthly basis and prices are obtained from recognized pricing sources. Derivative securities are held, in part, to maximize yields.

Interest-only and principal-only (PO) strips are transactions that involve the separation of the interest and principal components of a security. They are highly sensitive to prepayments by mortgagors, which may result from a decline in interest rates. The System held IOs valued at $\$ 3.7$ million at fiscal year end. The System's derivatives policy limits IO and PO strips to 3.0 percent of the investment portfolio.

Collateralized mortgage obligations (CMO) are bonds that are collateralized by whole-loan mortgages, mortgage pass-through securities, or stripped mortgage-backed securities. Income is derived from payments and prepayments of principal and interest generated from collateral mortgages. Cash flows are distributed to different investment classes or tranches in accordance with that CMO's established payment order. Some CMO tranches have more stable cash flows relative to changes in interest rates while others are significantly more sensitive to interest rate fluctuations. In a declining interest rate environment, some CMOs may be subject to a reduction in interest payments as a result of prepayments of mortgages that make up the collateral pool. A reduction in interest payments causes a decline in cash flows and, thus, a decline in the fair value of the CMO security. Rising interest rates may cause an increase in interest payments and, thus, an increase in the fair value of the security. The System held $\$ 521.6$ million in CMOs at June 30,2012 . Of this amount, $\$ 181.4$ million were tranches that are highly sensitive to future changes in interest rates. CMO residuals are prohibited under the System's derivatives policy.

Asset-backed securities (ABS) are bonds or notes backed by loan paper or accounts receivable originated by banks, credit card companies, or other credit providers. The originator of the loan or accounts receivable paper sells it to a specially created trust, which repackages it as securities. Similar to CMOs, asset-backed securities have been structured as pass-throughs and as structures with multiple bond classes. Of the $\$ 920.3$ million in ABS that the System held at June $30,2012, \$ 51.0$ million are highly sensitive to changes in interest rates. ABS, which are leveraged structures or residual interests, are prohibited by the System's derivatives policy.

At June 30, 2012, the System had invested $\$ 638.0$ million in mortgage pass-through securities issued by the Federal National Mortgage Association, Federal Home Loan Mortgage Corporation, and Government National Mortgage Association. These investments are moderately sensitive to changes in interest rates because they are backed by mortgage loans in which the borrowers have the option of prepaying.

CREDIT RISK
The System's exposure to credit risk as of June 30, 2012, was as follows:

EXPOSURE TO CREDIT RISK
-JUNE 30, 2012 -
[in thousands]


State law requires a minimum quality rating of A-3 by S\&P or P-3 by Moody's for corporate short-term obligations. This law also requires corporate and taxable municipal bonds to be of investment grade as rated by S\&P or Moody's. PERS Board of Trustees has adopted a short-term investment policy that further restricts commercial paper to be of corporations with long-term debt to be rated A or better by S\&P or Moody's, and whose short-term obligations are of A-2 or P-2 or better ratings by S\&P and Moody's, respectively. This applies to all short-term investments of the System.

EXPOSURE TO CREDIT RISK (CONTINUED)

- JUNE 30, 2012 -
[in thousands]

|  | QUALITY RATINGS FAIR VALUE |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | CAA | CCC | CC | C | D | F | NR | P | WR |
| ASSET-BACKED SECURITIES | \$3 | \$6,073 | \$- | \$13 | \$- | \$- | \$- | \$- | \$1,184 |
| COLLATERALIZED MORTGAGE OBLIGATIONS | 12,720 | 684 | 709 | 14,984 | 6,637 | - | - | - | 280 |
| COMMERCIAL PAPER | - | - | - | - | - | 388,747 | - | 109,374 | - |
| CORPORATE BONDS | 5,169 | 4,165 | - | - | - | - | 1,778 | 28,906 | - |
| MORTGAGE PASS-THROUGHS | - | - | - | - | - | - | - | - | - |
| REPURCHASE AGREEMENTS | - | - | - | - | - | - | - | - | - |
| SOVEREIGN AGENCIES DEBT | - | - | - | - | - | - | - | - | - |
| SOVEREIGN GOVERNMENTS DEBT | - | - | - | - | - | - | 3,421 | - | - |
| STATE \& LOCAL OBLIGATIONS | - | - | - | - | - | - | 1,586 | - | - |
| US GOVERNMENT AGENCY OBLIGATIONS | - | - | - | - | - | - | - | - | - |
| Yankee/Global bonds | - | - | - | - | - | - | - | - | - |
|  | \$17,892 | \$10,922 | \$709 | \$14,997 | \$6,637 | \$388,747 | \$6,785 | \$138,280 | \$1,464 |

In addition to the short-term investment policy, a policy adopted for the internally managed short-term account requires that for any amount above the established core of $\$ 30.0$ million, no more than 25.0 percent should be invested in any issue having a rating lower than AA or A1/P1.

Credit risk for derivative securities held by the System results from the same considerations as other counterparty risk assumed by the System, which is the risk that a borrower will be unable to meet its obligation. The System's policy requires that the credit quality of the underlying asset must be rated A or better by Moody's or S\&P. The System's lending agent is permitted to purchase asset-backed securities for the cash collateral fund that are only AAA rated.

FOREIGN CURRENCY RISK
The System's exposure to foreign currency risk at June 30, 2012, was as follows (in thousands):

| CURRENCY |  <br> EQUIVALENTS | EQUITIES <br> \&REITS | DEBT <br> SECURITIES | TOTAL <br> FAIR VALUE | PERCENT |
| ---: | ---: | :---: | ---: | :---: | :---: | :---: |

The System's current investment asset allocation policy was adopted by the Board in June 2010 and became effective in fiscal year 2011. The policy does not limit foreign currency-denominated investments of the System. The Investment Committee of the Board of Trustees evaluates the actual investment asset allocation quarterly, in accordance with the adopted phase-in policy. Based on current market conditions, the Board adjusts the allocation as necessary.

## INVESTMENT DERIVATIVES

The System has adopted Governmental Accounting Standards Board Statement No. 53, Accounting and Financial Reporting for Derivative Instruments. Derivative instruments are financial arrangements used by governments to manage specific risks or to make investments.

The following table presents the investment derivative instruments outstanding as of June 30, 2012 (in thousands), as reported in the System's Statement of Fiduciary Net Assets:

|  | CHANGES IN FAIR VALUE |  | FAIR VALUE AT JUNE 30, 2012 |  | NOTIONAL |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | CLASSIFICATION | AMOUNT | CLASSIFICATION | AMOUNT |  |  |
| FOREIGN CURRENCY FORWARDS | Investment income | \$(22) | Investment | \$(22) | 6,249 | AUD |
| FOREIGN CURRENCY FORWARDS | Investment income | 64 | Investment | 64 | 6,351 | BRL |
| FOREIGN CURRENCY FORWARDS | Investment income | 9 | Investment | 9 | 2,008 | CAD |
| FOREIGN CURRENCY FORWARDS | Investment income | (5) | Investment | (5) | 11,745,393 | COP |
| FOREIGN CURRENCY FORWARDS | Investment income | 8 | Investment | 8 | 36,685 | CZK |
| FOREIGN CURRENCY FORWARDS | Investment income | (118) | Investment | (118) | 11,425 | EUR |
| FOREIGN CURRENCY FORWARDS | Investment income | 21 | Investment | 21 | 1,963 | GBP |
| FOREIGN CURRENCY FORWARDS | Investment income | (47) | Investment | (47) | 159,687 | HUF |
| FOREIGN CURRENCY FORWARDS | Investment income | 11 | Investment | 11 | 187,123 | JPY |
| FOREIGN CURRENCY FORWARDS | Investment income | (440) | Investment | (440) | 160,899 | MXN |
| FOREIGN CURRENCY FORWARDS | Investment income | (28) | Investment | (28) | 20,242 | NOK |
| FOREIGN CURRENCY FORWARDS | Investment income | (56) | Investment | (56) | 5,630 | NZD |
| FOREIGN CURRENCY FORWARDS | Investment income | (4) | Investment | (4) | 5,095 | PEN |
| FOREIGN CURRENCY FORWARDS | Investment income | (47) | Investment | (47) | 2,749 | PLN |
| FOREIGN CURRENCY FORWARDS | Investment income | (69) | Investment | (69) | 13,468 | SEK |
| FOREIGN CURRENCY FORWARDS | Investment income | (8) | Investment | (8) | 4,202 | SGD |
| FOREIGN CURRENCY FORWARDS | Investment income | (44) | Investment | (44) | 2,251 | TRY |
| FOREIGN CURRENCY FORWARDS | Investment income | (64) | Investment | (64) | 8,044 | ZAR |
| TBA SECURITIES | Investment income | \$298 | Debt securities | \$178,395 | \$166,820 |  |

The System's derivatives policy limits foreign currency forwards to no more than 100.0 percent of the aggregate value of the portfolio securities denominated in the hedged currency.

## INVESTMENT DERIVATIVES CREDIT RISK

At June 30, 2012, the counterparties of the foreign currency forwards had short-term credit ratings of A as rated by the nationally recognized statistical rating organizations. PERS general policy requires that the counterparty has a long-term credit rating of A or better and a short-term credit rating of A1/P1 at a minimum. More specifically, the System's policy requires that all over-the-counter derivatives be rated AA or better by the nationally recognized statistical rating organizations. The counterparties of the to-be-announced securities (TBA) were rated $A$ by the nationally recognized statistical rating organizations.

## INVESTMENT DERIVATIVES FOREIGN CURRENCY RISK

The foreign currency forwards are also presented in the foreign currency risk table on page 48.
INVESTMENT DERIVATIVES INTEREST RATE RISK
The TBAs are disclosed in the interest risk table by years to maturity.

## COMMITMENTS

As of June 30, 2012, the System had real estate and private equity investments legally structured as limited partnerships. The System was one of the limited partners within each fund, with the investment managers serving as the general partners. As part of the limited partnership agreements, PERS agrees to potentially invest up to the committed amounts during the stated fund investment period.

Within its Alternative Investment Program, the System has investments that, due to their long-term nature, do not provide immediate liquidity. The commingled real estate fund investments allow for quarterly liquidity. As of June 30, 2012, the total fair value of the commingled real estate portfolio was approximately $\$ 797.0$ million. The closed-end real estate funds, timber fund, and private equity fund investments are all 10 - to 12-year commitments. These funds have limited liquidity due to their long investment time horizon, but will make periodic distributions throughout the term of the investment as assets are sold. As of June 30, 2012, the fair value of these investments totaled $\$ 665.0$ million.

As of June 30, 2012, PERS had the following outstanding investment commitments:

COMMITTED CAPITAL CAPITAL CONTRIBUTED OUTSTANDING

|  | COMMITTED CAPITAL | CAPITAL CONTRIBUTED | OUTSTANDING |
| ---: | ---: | ---: | ---: |
| REAL ESTATE | $\$ 575,000,000$ | $\$ 353,072,802$ | $\$ 221,927,198$ |
| PRIVATE EQUITY | $\mathbf{1 , 5 0 0 , 0 0 0 , 0 0 0}$ | $426,586,550$ | $1,073,413,450$ |
| TOTALS | $\$ 2,075,000,000$ | $\$ 779,659,352$ | $\$ 1,295,340,648$ |

## SECURITIES LENDING TRANSACTIONS

The System accounts for securities lending transactions in accordance with GASB Statement No. 28, Accounting and Financial Reporting for Securities Lending Transactions, which established standards of accounting and financial reporting for securities lending transactions.

The Board of Trustees has authorized the System to lend its securities to broker-dealers with a simultaneous agreement to return the collateral for the same securities in the future. The System's custodian, pursuant to a written agreement, is permitted to lend all long-term securities to authorized broker-dealers subject to the receipt of acceptable collateral. There have been no significant violations of the provisions of the agreement during the period of these financial statements. The System lends securities for collateral in the form of either cash or other securities. The types of securities on loan at June 30, 2012, are long-term US government and agency obligations, corporate bonds, REITs, and domestic and international equities. At the initiation of a loan, borrowers are required to provide collateral amounts of 102.0 percent on US securities and international securities denominated in the same currency of the loaned security. For international securities that are denominated in a currency other than the currency of the loaned security, 105.0 percent collateral is required at the initiation of the loan. In the event the collateral fair value on US securities falls to less than 100.0 percent of the respective fair value of the securities lent, the borrower is required to provide additional collateral by the end of the next business day. In the event the collateral fair value falls below 102.0 percent for international same-currency transactions or 105.0 percent for cross-currency transactions, the borrower is required to provide additional collateral. The contractual agreement with the System's custodian provides indemnification in the event the borrower fails to return the securities lent or fails to pay the System income distributions by the securities' issuers while the securities are on loan. The System cannot pledge, lend, or sell securities received as collateral unless the borrower defaults.

The maturities of the investments made with cash collateral generally do not match the maturities of the securities loans. All securities loans can be terminated on demand by either the System or the borrower, although the average term of these loans was six days at June 30, 2012. Cash collateral was invested in repurchase agreements, commercial paper, corporate bonds, US and foreign government agencies, and asset-backed securities at June 30,2012 . The weighted average effective duration of all collateral investments at June 30, 2012, was 29 days with a weighted average maturity of 29 days.

Securities lent at year-end for cash collateral are presented by type in Note 3 Investments; securities lent for securities collateral are classified according to the custodial credit risk category for the collateral. There were no securities lent for securities collateral as of June 30, 2012. The investments purchased with the cash collateral are also presented in Note 3 Investments in the discussion of custodial credit risk, since the custodian, as agent, is the counterparty in acquiring these securities in a separate account for the System.

The following table details the net income from securities lending for the year ended June 30, 2012 (in thousands):


At year-end, the System had no credit risk exposure to borrowers because the amount the System owed the borrowers exceeded the amount the borrowers owed the System.

The securities lending total assets of \$3,599,658,000, which include the related accrued interest, and the related total liabilities of $\$ 3,597,099,000$, which include the related expenses, on the Statement of Fiduciary Net Assets do not equal at June 30, 2012. The difference of $\$ 2,559,000$ is due to the collateral investment fund's market appreciation, agent lender fees, and the earnings receivable until the final distribution takes place the following month.

The following table presents the fair values of the underlying securities and the value of the collateral pledged at June 30, 2012 (in thousands):

| SECURITIES LENT | FAIR VALUE INCLUDING <br> ACCRUED INCOME | CASH COLLATERAL <br> RECEIVED |
| ---: | ---: | ---: |
| Lent for Cash Collateral: <br> DEBT SECURITIES | $\$ 1,335,906$ | $\$ 1,369,784$ |
| EQUITIES | $2,111,646$ | $2,114,110$ |
| REITS | 113,095 | 112,941 |
| TOTAL SECURITIES LENT | $\$ 3,560,647$ | $\$ 3,596,835$ |

COMMISSION RECAPTURE PROGRAM
The Board of Trustees has authorized the System to enter into a commission recapture program. This program allows the System to recapture a portion of the commissions paid to brokerdealers with which the System has entered into an agreement. Earnings for the fiscal year ended June 30, 2012, were \$32,000.

Note 4: Capital Assets


The System is implementing a major project to build and deploy a new pension and benefits administration software solution. The design and technical aspects of the project have been completed and the development stage is underway. Completion is scheduled for 2013. The total budgeted amount for the technology project is $\$ 26.6$ million. At June 30,2012 , the remaining outstanding commitment related to this project approximated $\$ 16.9$ million.

Note 5: Due to Others
The following is a summary of due to/due from others as of June 30, 2012 (in thousands):

| RECEIVABLE FUND | PAYABLE FUND | AMOUNT |
| ---: | ---: | ---: |
| STATE OF MISSISSIPPI | PERS | $\$ 15$ |

ACTUARIAL ASSET VALUATION
Actuarial values of assets for PERS, MHSPRS, SLRP, and MRS are based on a smoothed fair value basis that recognizes 20.0 percent of the unrecognized and unanticipated gains and losses. The actuarial valuation of assets recognizes assumed investment income fully each year. Differences between actual and assumed investment income are recognized in equal increments over a five-year period beginning with the current year.

The following table presents the actuarial change in asset valuation for the year ended June 30, 2012 (in thousands):

|  | PERS | MHSPRS | MRS | SLRP | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: |
| VALUATION ASSETS JUNE 2011* | \$20, 315,165 | \$278,265 | \$175,988 | \$13,606 | \$20,783,024 |
| CONTRIBUTIONS \& OTHER REVENUE | 1,314,501 | 13,990 | 22,916 | 696 | 1,352,103 |
| BENEFIT PAYMENTS | $(1,956,205)$ | $(26,950)$ | $(35,628)$ | $(1,293)$ | (2,020,076) |
| ADMINISTRATIVE EXPENSES | $(13,744)$ | (176) | (456) | (10) | $(14,386)$ |
| INVESTMENT EXPENSES** | $(43,332)$ | (584) | - | (29) | $(43,945)$ |
| NET NEW MONEY | $(698,780)$ | $(13,720)$ | $(13,168)$ | (636) | $(726,304)$ |
| EXPECTED TOTAL INVESTMENT <br> RETURN FOR 2012 (8\%) | 1,661,587 | 22,447 | 10,912 | 1,114 | 1,696,060 |
| ADJUSTMENT TOWARD MARKET (20\%) | $(1,285,175)$ | $(18,568)$ | $(6,128)$ | (816) | $(1,310,687)$ |
| VALUATION ASSETS JUNE 2012* | \$19,992,797 | \$268,424 | \$167,604 | \$13,268 | \$20,442,093 |

*Information for MRS is presented as of September 2010 and 2011, respectively.
**This amount is based on a proportionate share of the total investment expense of the commingled assets. The ratio of this number to the total investment expense is equal to the ratio of a fiscal year average market value of assets for this fund to a fiscal year average market value of the total commingled assets.

Significant actuarial assumptions used to compute contribution requirements for PERS, MHSPRS, SLRP, and MRS are the same as those used to compute the standardized measure of the actuarial accrued liability described in the Notes to Required Supplemental Schedules. The significant assumptions include:


## ACTUARIAL EXPERIENCE REVIEW

An actuarial survey of the mortality, service, withdrawals, compensation experience of members, and valuation of assets and liabilities is performed annually to determine the actuarial soundness of the System. To validate that the assumptions recommended by the actuary are, in aggregate, reasonably related to actual experience, the System requests the actuary to conduct an experience investigation every other year.

A review of demographic and economic experience was performed for the four-year period ending June 30, 2010. As a result of this study, the Board of Trustees adopted assumptions for PERS that revised rates of salary increase, withdrawal, pre-retirement mortality, and disability retirement for active members. Also adopted was a change in post-retirement mortality table for disability retirements. Assumptions for MHSPRS were adopted that changed withdrawal rates and the post-retirement disability mortality table. The post-retirement mortality table used for disability retirements was adopted for SLRP. The changes adopted by the Board for PERS, MHSPRS, and SLRP were used in the actuarial valuations as of June 30, 2011, and June 30, 2012.

Due to MRS fiscal year ending on September 30, changes from this experience review were applied to the actuarial valuations as of September 30, 2010, and September 30, 2011. The new assumption adopted for MRS changes the post-retirement mortality table for disability retirements.

## Note 7: Contributions Required and Contributions Made

Funding policies for PERS, MHSPRS, and SLRP provide for employer contributions at actuarially determined rates that, expressed as percentages of annual covered payroll, are adequate to accumulate sufficient assets to pay benefits when due. The Board of Trustees establishes contribution rates for PERS, MHSPRS, and SLRP in accordance with actuarial contribution requirements determined through the most recent valuation.

The Governmental Accounting Standards Board (GASB) Statement No. 25 requires a maximum amortization period for the total unfunded actuarial liability of not more than 30 years. The annual required contribution (ARC) rate is set two years in advance. Based on the June 30, 2010, actuarial valuation, the Board of Trustees approved an employer contribution rate increase from 12.0 percent to 12.93 percent for PERS, to comply with the GASB Statement. Due to the state of the economy and a request by the leadership of the Mississippi Legislature, the Board took action to delay the contribution rate increase until January 1, 2012. In addition, the Board approved employer contribution rate increases for MHSPRS from 30.3 percent to 35.21 percent and SLRP from 6.65 percent to 7.4 percent. These increases also were delayed until January 1, 2012.

At its October 2012 meeting, the Board of Trustees adopted a revised funding policy aimed at stabilizing the employer contribution rate and reducing the unfunded actuarial accrued liability. The revised policy establishes a goal for the System to be 80.0 percent funded by 2042 and sets the PERS employer rate at 15.75 percent while continuing the SLRP rate at 7.4 percent. The focus of the revised funding policy is to promote a declining amortization period and to reduce volatility in the contribution rate.

Costs to administer plans are financed from investment earnings. In addition, employers of MHSPRS, SLRP, and MRS contribute an administrative fee to the System.

Funding policies for MRS, established by Mississippi statutes, provide for a property tax to be levied within each municipality and deductions from salaries of members, at rates sufficient to make the plans actuarially sound. An actuarial valuation is performed on an annual basis to determine the rates necessary to make the plan actuarially sound. However, Mississippi statutes limit any increase in the property tax levy for pension contributions to one-half mill per year. Given this constraint on employer contribution increases, there is a possibility, depending upon future experience, that one or more of the plans under MRS will be exhausted at some point in
the future. Such an event would lead to at least a temporary reduction in benefits paid until the affected plan's cash flow position improved.

Miss. Code Ann. (1972, as amended) provides that a municipality may fund or assist in funding MRS with revenue bonds. No municipality currently has any revenue bonds outstanding.

An actuary is used to determine the implications of the statutory limited contribution levels. At September 30, 2011, aggregate contributions for MRS were equivalent to 122.7 percent of the required annual contributions. Certain municipalities will have a contribution deficiency after the maximum one-half-mill-per-year increase.

The employer contribution millage rates required for each municipality ranged from 1.49 to 8.26 mills, totaling $\$ 22,791,000$ in actual contributions. The member contribution rates ranged from 7.0 percent to 10.0 percent of covered payroll, totaling $\$ 125,575$ in actual contributions.

REQUIRED CONTRIBUTIONS
[dollars in thousands]

|  | CONTRIBUTION REQUIREMENTS |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | NORMAL COST |  | UNFUNDED COST |  | TOTAL REQUIRED CONTRIBUTIONS |
| SYSTEM | AMOUNT | PERCENT OF COVERED PAYROLL | AMOUNT | PERCENT OF COVERED PAYROLL |  |
| PERS | \$676,902 | 11.31\% | \$637,599 | 10.16\% | \$1,314,501 |
| MHSPRS | 6,062 | 23.80 | 4,682 | 16.21 | 10,744* |
| SLRP | 380 | 5.56 | 316 | 4.47 | 696 |
| TOTALS | \$683,344 | - | \$642,597 | - | \$1,325,941 |


| SYSTEM | CONTRIBUTIONS MADE |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | MEMBER |  | EMPLOYER |  |  |
|  | TOTAL ACTUAL CONTRIBUTIONS | AMOUNT | PERCENT OF COVERED PAYROLL | AMOUNT | PERCENT OF COVERED PAYROLL** | COVERED PAYROLL |
| PERS | \$1,314,501 | \$545,587 | 9.00\% | \$768,914 | 12.93\% | \$5,857,789 |
| MHSPRS | 13,990 | 1,946 | 7.25 | 12,044 ${ }^{*}$ | 35.21 | 25,670 |
| SLRP | 696 | 206 | 3.00 | 490 | 7.40 | 6,872 |
| TOTALS | \$1,329,187 | \$547,739 | - | \$781,448 | - | \$5,890,331 |

*Due to Senate Bill No. 2659 enacted in 2004, an estimated additional contribution of $\$ 3,500,000$ (14.1 percent of payroll) was used to calculate total required contributions for MHSPRS.

The actual amount received in 2012 was $\$ 3,246,000$.
**Employer contribution rate effective January 1, 2012.

## LEGALLY REQUIRED RESERVES

Provisions for reserves, in which all assets of the System are to be credited according to their purpose, are established by Miss. Code Ann. § 25-11-123, Article 3, (1972, as amended) and may be amended only by the State Legislature. The annuity savings account accumulates the contributions made by members and accumulated interest. The annuity reserve represents the actuarial value of all annuities in force. The reserve account that accumulates contributions made by the employers, and where all retirement allowances and other benefits are charged, is referred to as the employer's accumulation account.

The following table presents the reserve account balances and the unfunded actuarial accrued liability as of June 30, 2012 (in thousands):

| Actuarial Value of Assets: | PERS | MHSPRS | MRS | SLRP |
| ---: | :---: | :---: | :---: | :---: |
| ANNUITY SAVINGS ACCOUNT | $\$ 4,463,252$ | $\$ 20,760$ | $\$ 2,256$ | \$2,105 |
| ANNUITY RESERVE |  |  |  |  |

Note 8: Retirement Plan
of System Employees
System employees are members of PERS. The payroll for System employees covered by PERS for the year ended June 30, 2012, was $\$ 6,573,000$; the System's total payroll expense was $\$ 8,534,000$. System contributions for the years ended June $30,2012,2011$, and 2010, were $\$ 806,000, \$ 715,000$, and $\$ 721,000$, respectively. The contributions for 2012, 2011, and 2010 were each 100.0 percent of required contributions. Refer to Note 7 of the basic financial statements for more information regarding contributions made for fiscal year 2012. System contributions represent less than 1.0 percent of total contributions required for all participating employers.

Note 9: Ten-Year Historical Trend Information

Ten-year historical trends, as noted in required supplementary information, are designed to provide information about progress made by PERS, MHSPRS, MRS, and SLRP in accumulating sufficient assets to pay benefits when due. The Schedules of Funding Progress, immediately following the notes to the basic financial statements, present multi-year information about whether the actuarial value of plan assets is increasing or decreasing relative to the actuarial accrued liability of benefits over time. This information is presented on pages 57 through 59. Other supplementary information presented in succeeding sections of this report is for the benefit of statement users and is not a required part of the basic financial statements.

REQUIRED SUPPLEMENTARY INFORMATION
SCHEDULES OF FUNDING PROGRESS

- LAST TEN FISCAL YEARS -
[in thousands] * [unaudited]

| ACTUARIAL <br> VALUATION DATE <br> Public Employees' <br> Retirement System of Mississippi | ACTUARIAL VALUE OF ASSETS (A) | ACTUARIAL ACCRUED LIABILITY (AAL) ENTRY AGE (B) | UNFUNDED AAL (UAAL) (B-A) | PERCENT <br> FUNDED <br> (A/B) | ANNUAL COVERED PAYROLL (C) | UAAL AS A PERCENTAGE OF ANNUAL COVERED PAYROLL ((B-A)/C) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 06/30/03 | \$16,979,457 | \$21,485,838 | \$4,506,381 | 79.0\% | \$4,431,600 | 101.7\% |
| 06/30/04 | 17,103,285 | 22,847,260 | 5,743,975 | 74.9 | 4,617,273 | 124.4 |
| 06/30/05 | 17,180,705 | 23,727,098 | 6,546,393 | 72.4 | 4,786,280 | 136.8 |
| 06/30/06 | 18,321,063 | 24,928,464 | 6,607,401 | 73.5 | 4,971,974 | 132.9 |
| 06/30/07 | 19,791,564 | 26,862,636 | 7,071,072 | 73.7 | 5,196,295 | 136.1 |
| 06/30/08 | 20,814,720 | 28,534,694 | 7,719,974 | 72.9 | 5,544,705 | 139.2 |
| 06/30/09 | 20,597,581 | 30,594,546 | 9,996,965 | 67.3 | 5,831,864 | 171.4 |
| 06/30/10 | 20,143,426 | 31,399,988 | 11,256,562 | 64.2 | 5,763,556 | 195.3 |
| 06/30/11 | 20,315,165 | $32,654,465$ | 12,339,300 | 62.2 | 5,684,624 | 217.1 |
| 06/30/12 | 19,992,797 | 34,492,873 | 14,500,076 | 58.0 | 5,857,789 | 247.5 |
| Mississippi Highway Safety Patrol Retirement System |  |  |  |  |  |  |
| 06/30/03 | \$259,746 | \$302,134 | \$42,388 | 86.0\% | \$21,052 | 201.3\% |
| 06/30/04 | 256,481 | 316,570 | 60,089 | 81.0 | 22,683 | 264.9 |
| 06/30/05 | 253,477 | 335,117 | 81,640 | 75.6 | 22,343 | 365.4 |
| 06/30/06 | 265,637 | 350,638 | 85,001 | 75.8 | 24,499 | 347.0 |
| 06/30/07 | 284,626 | 371,233 | 86,607 | 76.7 | 27,037 | 320.3 |
| 06/30/08 | 298,630 | 381,578 | 82,948 | 78.3 | 29,597 | 280.3 |
| 06/30/09 | 292,322 | 394,630 | 102,308 | 74.1 | 26,390 | 387.7 |
| 06/30/10 | 281,088 | 411,277 | 130,189 | 68.3 | 26,353 | 494.0 |
| 06/30/11 | 278,265 | 414,432 | 136,167 | 67.1 | 24,872 | 547.5 |
| 06/30/12 | 268,424 | 421,415 | 152,991 | 63.7 | 25,670 | 596.0 |

See Notes to Required Supplementary Schedules.

REQUIRED SUPPLEMENTARY INFORMATION
SCHEDULES OF FUNDING PROGRESS (CONTINUED)

- LAST TEN FISCAL YEARS -
[in thousands] * [unaudited]

| ACTUARIAL VALUATION DATE Municipal Retirement Systems | ACTUARIAL Value of assets (A) | ACTUARIAL ACCRUED LIABILITY (AAL) ENTRY AGE (B) | UNFUNDED AAL (UAAL) (B-A) | PERCENT <br> FUNDED <br> (A/B) | ANNUAL COVERED PAYROLL (C) | UAAL AS A PERCENTAGE OF ANNUAL COVERED PAYROLL ( $(\mathrm{B}-\mathrm{A}) / \mathrm{C})$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 09/30/02 | \$259,586 | \$393,011 | \$133,425 | 66.1\% | \$5,980 | 2,231.2\% |
| 09/30/03 | 250,640 | 399,622 | 148,982 | 62.7 | 4,584 | 3,250.0 |
| 09/30/04 | 235,198 | 393,061 | 157,863 | 59.8 | 3,675 | 4,295.6 |
| 09/30/05 | 217,140 | 387,386 | 170,246 | 56.1 | 2,909 | 5,852.4 |
| 09/30/06 | 213,553 | 383,355 | 169,802 | 55.7 | 2,223 | 7,638.4 |
| 09/30/07 | 213,432 | 379,584 | 166,152 | 56.2 | 1,953 | 8,507.5 |
| 09/30/08 | 208,479 | 368,131 | 159,652 | 56.6 | 1,713 | 9,320.0 |
| 09/30/09 | 191,179 | 381,036 | 189,857 | 50.2 | 1,608 | 11,807.0 |
| 09/30/10 | 175,988 | 372,897 | 196,909 | 47.2 | 1,425 | 13,818.2 |
| 09/30/11 | 167,604 | 363,604 | 196,000 | 46.1 | 1,357 | 14,443.6 |
| Supplemental Legislative Retirement Plan |  |  |  |  |  |  |
| 06/30/03 | \$10,196 | \$12,220 | \$2,024 | 83.4\% | \$6,289 | 32.2\% |
| 06/30/04 | 10,323 | 12,934 | 2,611 | 79.8 | 5,794 | 45.1 |
| 06/30/05 | 10,634 | 13,402 | 2,768 | 79.3 | 6,530 | 42.4 |
| 06/30/06 | 11,620 | 14,064 | 2,444 | 82.6 | 6,354 | 38.5 |
| 06/30/07 | 12,722 | 15,054 | 2,332 | 84.5 | 6,554 | 35.6 |
| 06/30/08 | 13,412 | 15,615 | 2,203 | 85.9 | 6,753 | 32.6 |
| 06/30/09 | 13,386 | 16,535 | 3,149 | 81.0 | 6,803 | 46.3 |
| 06/30/10 | 13,241 | 17,081 | 3,840 | 77.5 | 6,605 | 58.1 |
| 06/30/11 | 13,606 | 18,605 | 4,999 | 73.1 | 6,810 | 73.4 |
| 06/30/12 | 13,268 | 19,537 | 6,269 | 67.9 | 6,872 | 91.2 |

[^3]REQUIRED SUPPLEMENTARY INFORMATION
SCHEDULES OF EMPLOYER CONTRIBUTIONS

- LAST TEN FISCAL YEARS -
[in thousands] * [unaudited]

| FISCAL YEAR <br> ENDED JUNE 30 <br> Public Employees' | ANNUAL REQUIRED <br> CONTRIBUTION | PERCENTAGE <br> CONTRIBUTED |
| ---: | ---: | :---: | :---: |
| Retirement System of Mississippi |  |  |
| 2003 | $\$ 411,503$ | $100.0 \%$ |
| 2004 | 432,081 | 100.0 |
| 2005 | 482,967 | 100.0 |
| 2006 | 514,525 | 100.0 |
| 2007 | 621,497 | 90.0 |
| 2008 | 636,546 | 97.0 |
| 2009 | 657,048 | 100.0 |
| 2010 | 699,824 | 100.0 |
| 2011 | $781,538^{*}$ | 100.0 |
| 2012 | 735,022 | 100.0 |

*Calculated based on an employer contribution rate increase from 12.0 percent to 13.56 percent. In lieu of the employer contribution rate increase, the member contribution rate was increased to 9.0 percent, which produced a decrease in employer normal cost. As a result, Annual Required Contributions were $\$ 687,016$.

| FISCAL YEAR | ANNUAL REQUIRED <br> CONTRIBUTION | PERCENTAGE <br> CONTRIBUTED |
| ---: | ---: | :---: |
| ENDED SEPTEMBER 30 <br> Municipal <br> Retirement Systems |  |  |
| 2002 | $\$ 10,823$ | $132.5 \%$ |
| 2003 | 11,989 | 116.6 |
| 2004 | 13,286 | 104.5 |
| 2005 | 14,091 | 100.6 |
| 2006 | 15,397 | 101.5 |
| 2007 | 15,426 | 97.1 |
| 2008 | 15,219 | 106.0 |
| 2009 | 14,765 | 114.4 |
| 2011 | 17,739 | 120.8 |


| FISCAL YEAR <br> ENDED JUNE 30 | ANNUAL REQUIRED <br> CONTRIBUTION | PERCENTAGE <br> CONTRIBUTED |
| ---: | ---: | :---: |
| Supplemental Legislative <br> Retirement Plan |  |  |
| 2003 | $\$ 379$ | $100.0 \%$ |
| 2004 | 398 | 100.0 |
| 2005 | 367 | 100.0 |
| 2006 | 413 | 100.0 |
| 2007 | 423 | 100.0 |
| 2008 | 436 | 100.0 |
| 2009 | 449 | 100.0 |
| 2011 | 452 | 100.0 |
| 2012 | 464 | 100.0 |

See Notes to Required Supplementary Schedules.

# Public Employees' Retirement System of Mississippi Notes to Required Supplementary Schedules <br> JUNE 30, 2012 

Note 1: Schedules of
Funding Progress
The funding percentage of the actuarial accrued liability is a measure intended to help users assess each plan's funding status on a going-concern basis and assess progress being made in accumulating sufficient assets to pay benefits when due. The actuarial value of assets is determined on a market-related basis that recognizes 20.0 percent of the current year's unrecognized and unanticipated gains and losses (both realized and unrealized), as well as 20.0 percent of the prior years' unrecognized and unanticipated gains and losses (both realized and unrealized).

Allocation of the actuarial present value of projected benefits between accrued and future service liabilities is based on service using the entry age actuarial cost method. Assumptions, including projected pay increases, are the same as used to determine the plan's annual required contribution. For additional information regarding this schedule, refer to Note 6, Funding Status and Progress.

Note 2: Schedules of Employer Contributions

The required employer contributions and percent of those contributions actually made are presented in this schedule.

The PERS Board of Trustees, as per state statute, sets employer contribution rates for PERS and SLRP. The Administrative Board of the MHSPRS establishes the employer contribution rate for MHSPRS. The adequacy of these rates is assessed annually by individual actuarial valuations. Unfunded actuarial accrued liabilities are amortized as a level percent of the active member payroll, over a fixed period of future years, which produces the actuarial required employer contribution rate. The employer contribution rate so computed, expressed as a percent of active member payroll, is designed to accumulate sufficient assets to pay benefits when due. For MRS, the unfunded employer liability is being amortized on a closed basis as a level percent over a period of 30 years, beginning September 30, 1990. The current financing arrangement provides for a contribution determined as a percentage of each city's assessed property valuation. Actual MRS employer contributions were $\$ 22,791,000$, which was 122.7 percent of total required contributions for the valuation period ending September 30, 2011.

The Governmental Accounting Standards Board (GASB) Statement No. 25 requires a maximum amortization period for the total unfunded actuarial liability of not more than 30 years. Based on the June 30, 2011, actuarial valuation report, and to comply with the GASB Statement, the Board of Trustees approved increasing the PERS employer contribution rate from 12.93 percent to 14.26 percent. In addition, the Board approved an employer contribution rate increase for MHSPRS from 35.21 percent to 37.0 percent. The employer rate for SLRP remained at 7.4 percent. The employer contribution rate increases are effective as of July $1,2012$.

In its October 2012 meeting, the Board of Trustees adopted a revised funding policy that established the goal of stabilizing the employer contribution rate and reducing the amortization period for the unfunded actuarial accrued liability. Based on the revised funding policy, the Board approved an employer contribution rate increase of 15.75 percent for PERS and a continued rate of 7.4 percent for SLRP, effective July 1,2013 . In addition, the consulting actuary recommended an employer contribution rate of 39.49 percent for MHSPRS based on the June 30, 2012 valuation.

At June 30, 2012, the actual employer contribution amount for PERS was $\$ 768,914,000$, which was 100.0 percent of required total contributions. Actual employer contributions for MHSPRS and SLRP also remain at 100.0 percent of annual required contribution.

2011/2012 FISCAL YEAR
PERS ANNUAL REQUIRED CONTRIBUTION (ARC)

- BASED ON THE VALUATION AS OF JUNE 30, 2010 -

| ANNUAL REQUIRED CONTRIBUTION (ARC) | RATE |
| ---: | :--- | :--- |
| NORMAL | $2.18 \%$ |
| ACCRUED LIABILITY | 10.75 |
| TOTAL | $12.93 \%$ |

Note 3: Actuarial Assumptions PLAN OVERVIEW
To keep the anticipated accrued liability payment period within 30 years in accordance with GASB Statements 25 and 27, the consulting actuary recommended increases in employer contribution rates for PERS, MHSPRS, and SLRP. Based on the June 30, 2012, valuations, the recommended increases are: PERS, from 14.26 to 15.83 percent; MHSPRS, from 37.0 percent to 39.49 percent; and SLRP, from 7.40 to 7.75 percent.

The information presented in the required supplementary schedules was determined as part of the actuarial valuations at the dates indicated. Additional information as of the latest actuarial valuation follows:

|  | PERS | MHSPRS | MRS | SLRP |
| ---: | ---: | ---: | ---: | ---: |
| VALUATION DATE | June 30, 2012 | June 30, 2012 | September 30, 2011 | June 30, 2012 |
| AMORIAL COST METHOD | Entry age | Entry age | Entry age | Entry age |
| AMORTIZATION METHOD | Level percent | Level percent | Level dollar | closed |


| Actuarial assumptions: |  |  |  |  |
| ---: | ---: | ---: | ---: | ---: |
| INVESTMENT RATE OF RETURN | $8.0 \%$ | $8.0 \%$ | $8.0 \%$ | $8.0 \%$ |
| PROJECTED SALARY INCREASES | $4.5-20.0 \%$ | $5.0-10.52 \%$ | $4.5-6.0 \%$ | $4.50 \%$ |
| WAGE INFLATION RATES | $4.25 \%$ | $4.25 \%$ | $4.25 \%$ | $4.25 \%$ |
| INCREASE IN BENEFITS AFTER RETIREMENT | $3.0 \% *$ | $3.0 \% * *$ | $2.0-3.75 \% * * *$ | $3.0 \% *$ |

*Calculated 3.0 percent simple interest to age 55, compounded each year thereafter.
**Calculated 3.0 percent simple interest to age 60, compounded each year thereafter.
***Varies depending on municipality.

EFFECTS OF CURRENT YEAR CHANGES IN PLAN REQUIREMENTS
Plan requirements may be affected by changes in actuarial assumptions, benefit provisions, plan provisions, actuarial funding methods, or other significant factors.

The following amendments were incorporated into the actuarial valuations:
» PERS
» The valuation results are developed based upon the employer contribution rate of 15.83 percent of payroll. The Board of Trustees adopted an employer contribution rate of 15.75 percent, effective July 1, 2013.
» There are no changes in actuarial assumptions or methods since the last valuation.
» There are no changes in plan provisions since the last valuation.
» MHSPRS
» The valuation results are developed based upon the employer contribution rate of 39.49 percent of payroll.
» Due to Senate Bill No. 2659 enacted in 2004, additional contributions are being made to the System. The estimate used for last year's valuation was $\$ 3,500,000$ annually. The actual additional contribution for 2012 is $\$ 3,246,000$. However, since the last three years of additional contributions have not been consistent, the actuary averaged the last three year's contributions, and the 2012 valuation results reflect an anticipated amount of $\$ 3,600,000$ annually in the future.

```
" SLRP
```

The valuation results are developed based upon the employer contribution rate of 7.75 percent of payroll. The Board of Trustees elected to continue the employer contribution rate of 7.40 percent, effective July 1, 2013.
» MRS
The post-retirement mortality table used for disability retirements has been changed.
"A new funding policy was adopted by the Board of Trustees in February 2011. In this new funding policy, contributions are extended past 2020, and an employer contribution rate, expressed as a millage rate tax applied to assessed property values, is established beginning in the 2011-2012 fiscal year that will generate an ultimate asset reserve level equal to a reasonable percentage (initially 100.0 percent-150.0 percent) of the next year's projected benefit payment. At that point, employer contributions will be set equal to the fiscal year's projected benefit payments and adjusted as necessary to maintain the assets at the established reserve level.

Changes in assumptions and actuarial experience had the following effect on the employer contribution rate. The MRS are funded through taxes levied on assessed properties located in the municipalities.




SCHEDULE 3
SCHEDULE OF MANAGERS' FEES, INVESTMENT GLOBAL OUT-OF-POCKET
AND CUSTODIAL FEES, AND PROFESSIONAL SERVICE FEES
-FOR THE YEAR ENDED JUNE 30, 2012 -
[in thousands]

|  | AMOUNT |
| :---: | :---: |
| EAGLE CAPITAL MANAGEMENT | \$3,606 |
| ARTISAN PARTNERS LP EMERGING MARKETS EQUITY | 2,602 |
| LAZARD ASSET MANAGEMENT | 2,551 |
| THE BOSTON COMPANYMID CAP EQUITY | 2,444 |
| ARTISAN PARTNERS LPMID CAP EQUITY | 2,276 |
| WELLINGTON ASSET MANAGEMENT-MID CAP EQUITY | 2,150 |
| INTECH | 1,980 |
| WELLINGTON ASSET MANAGEMENT— EMERGING MARKETS DEBT INVESTMENTS | 1,923 |
| WELLINGTON ASSET MANAGEMENTSMALL CAP EQUITY | 1,866 |
| THE BOSTON COMPANYSMALL CAP EQUITY | 1,822 |
| NEW STAR INSTITUTIONAL MANAGERS LIMITED | 1,784 |
| DIMENSIONAL FUND ADVISORSEAFE | 1,728 |
| ACADIAN ASSET MANAGEMENT | 1,433 |
| DIMENSIONAL FUND ADVISORSSMALL CAP EQUITY | 1,383 |
| LOOMIS SAYLES \& COMPANY | 1,379 |
| MONDRIAN INVESTMENT PARTNERS | 1,272 |
| PACIFIC INVESTMENT MANAGEMENT COMPANY | 1,262 |
| FAYEZ SAROFIM \& COMPANY | 1,237 |
| PYRAMIS GLOBAL ADVISORS | 1,235 |
| JARISLOWSKY FRASER LIMITED | 1,061 |
| ABERDEEN ASSET MANAGEMENT | 980 |
| RREEF | 900 |
| COHEN \& STEERS CAPITAL MANAGEMENT | 770 |
| EUROPEAN INVESTORS, INC. | 595 |
| ALLIANCEBERNSTEIN | 570 |
| EPOCH INVESTMENT PARTNERS, INC. | 570 |
| HARDING LOEVNER LP | 513 |
| CAPITAL GUARDIAN TRUST COMPANY | 424 |
| PRUDENTIAL FIXED INCOME | 383 |



See accompanying independent auditors' report.
SCHEDULE 4
SUMMARY SCHEDULE OF CASH RECEIPTS
AND DISBURSEMENTS-PENSION TRUST FUNDS
- FOR YEAR ENDED JUNE 30,2012 -
[in thousands]

| CASH BALANCE | AMOUNT |
| ---: | ---: |
| AT BEGINNING OF YEAR | $\$ 425,811$ |


| RECEIPTS |  |
| ---: | ---: | ---: |
| Contributions: |  |
| EMPLOYEE |  |
| EMPLOYER | $\mathbf{5 9 7}, 040$ |
| TOTAL CONTRIBUTIONS | $\mathbf{1 , 3 8 2 , 3 4 8}$ |

$\left.\begin{array}{r}\begin{array}{r}\text { Investments: }\end{array} \\ \begin{array}{r}\text { SECURITIES LENDING \& REVERSE } \\ \text { REPURCHASE AGREEMENTS }\end{array}\end{array}\right) 215,141, \mathbf{3 0 4}$,
DISBURSEMENTS

| Annuities \& Refunds: |  |
| :---: | :---: |
| RETIREMENT ANNUITIES | 1,998,507 |
| REFUNDS TO TERMINATED Employees | 93,726 |
| TOTAL ANNUITIES \& REFUNDS | 2,092,233 |
| Investments: |  |
| SECURITIES LENDING \& REVERSE REPURCHASE AGREEMENTS | 215,140,816 |
| INVESTMENTS PURCHASED | 15,770,500 |
| Investment expenses | 47,165 |
| TOTAL INVESTMENTS | 230,958,481 |
| Administrative expenses | 17,496 |
| OTHER DISBURSEMENTS | 161 |
| total Cash disbursements | 233,068,371 |
| CASH BALANCE ATENDOF YEAR | \$508,915 |

See accompanying independent auditors' report.

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SCHEDULE 5
SCHEDULE OF INVESTMENTS DUE TO MRS FROM PERS
- JUNE 30, 2012
[in thousands]
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SCHEDULE 6
PUBLIC EMPLOYEES' RETIREMENT SYSTEM OF MISSISSIPPI
STATEMENT OF CHANGES IN ASSETS AND LIABILITIES—AGENCY FUND

- FOR THE YEAR ENDED JUNE 30, 2012 -
[in thousands]

| FLEXIBLE BENEFITS CAFETERIA PLAN | BALANCE <br> JUNE 30, 2011 | ADDITIONS | DEDUCTIONS | BALANCE JUNE 30, 2012 |
| :---: | :---: | :---: | :---: | :---: |
| Assets: |  |  |  |  |
| CASH | \$19 | \$67 | \$72 | \$14 |
| ACCOUNTS RECEIVABLE | - | 1 | - | 1 |
| TOTAL ASSETS | \$19 | \$68 | \$72 | \$15 |
| Liabilities: |  |  |  |  |
| ACCOUNTS PAYABLE | \$15 | \$- | \$- | \$15 |
| FUNDS HELD FOR OTHERS | 4 | 68 | 72 | - |
| TOTAL LIABILITIES | \$19 | \$68 | \$72 | \$15 |

See accompanying independent auditors' report.

# PERS Helps Promote a Steady, Reliable, and Diverse Public Workforce 

PERS ACTIVE<br>MEMBERSHIP COMPRISES MORE THAN 14\% OF IISSISStPPHIS WORKFORCE



PERS currently provides
retirement and survivor benefits to 89,731
retirees and beneficiaries.

The Board of Trustees serves as the ultimate decision-making body for the Public Employees' Retirement System of Mississippi. As fiduciaries, the Trustees rely on the following principles to guide them in making investment-related decisions:
» ensure adequate liquidity is available when needed;
» preserve the long-term corpus of the fund;
» maximize total return within prudent levels of risk; and
always to act in the exclusive interest of the members of the System.
Facing each year's unique investment challenges and opportunities, the PERS Board and investment staff remain clearly focused on the fundamental truth that investing for the future of our membership is a long-term commitment, and the prudent management of the System's assets demands constant attention and specialized expertise. The PERS Board is committed to maintaining a well-diversified portfolio designed to minimize risks and maximize returns over the long term. The goal of the investment program is to ensure adequate funding is available to meet all current and future pension obligations.

Fiscal Year 2012
Plan Overview

As of June 30, 2012, the market value of the defined benefits portfolio was $\$ 20.1$ billion. This represented a decrease of approximately $\$ 650$ million compared to the fiscal year 2011 valuation. As is common in mature pension plans, the System's annual distributions surpassed annual contributions made by employees and employers. For fiscal year 2012, the amount paid out to participants exceeded incoming contributions by approximately $\$ 670$ million. This, coupled with an essentially flat investment return, resulted in a slight decline in the size of the portfolio for the fiscal year.

The asset allocation at year end, excluding investments purchased with securities lending cash collateral, was 64.2 percent public equities; 24.9 percent debt securities; 7.4 percent public and private real estate investments; 2.2 percent private equity; and 1.3 percent cash equivalents. The System maintained a high-quality debt portfolio as evidenced by the fact that 64.3 percent of the bond investments carried a triple-A rating.

Callan Associates, Inc. is employed by the Board of Trustees as the System's investment consultant. Their services include calculating time-weighted investment returns for the total fund and for each of the investment managers retained to invest the System's assets. Callan also provides investment research and advice; assists the Board in the manager selection process; and conducts periodic asset/liability studies.

The System's securities lending program is managed by its custodial bank, BNY Mellon. This program generates ancillary income by lending securities in the System's portfolio to securities dealers in return for a premium payment on non-cash loans and earnings generated by the investment of cash collateral. All loans are secured by the receipt of collateral valued at 102 or 105 percent of the value of the loaned security. In fiscal year 2012, the securities lending program generated $\$ 15.6$ million* in additional revenue for the investment program.

In addition to the short-term assets managed in-house, at year end, 34 firms were managing 44 different investment portfolios for the System. The chart on pages 82 and 83 identifies each firm and the percentage of the total portfolio represented by each. Portfolio performance is monitored quarterly by the Board of Trustees with the assistance of Callan Associates.
*\$15.6 million were the earnings distributed for the fiscal year; $\$ 17.3$ million was the reported net income as required by GASB 28.

This was a year of highly volatile markets worldwide, resulting from investors' synchronized focus on only a handful of macroeconomic issues. The fiscal year saw market participants' investments shift between the lower risk and returns of treasuries, to global equities that offered higher returns in exchange for taking on higher risks

The first quarter of the fiscal year was a period of heightened investor risk aversion as US consumer confidence weakened while fears of a government default in Greece; the breakup of the European Union; and an economic slowdown in China grew. This risk-off period saw investors trade out higher risk asset classes, like equities and high-yield credits, to seek safety in US Treasuries and gold. Unfazed by the fact that early in the first quarter US debt was downgraded to a AA+ rating for the first time in history, investor inflows drove treasury yields down, as equities markets saw their sharpest declines since the 2008 financial crisis.

A strengthening of investor confidence came as signs of improvement in the US economy were evident during the second quarter. The combined impact of declining unemployment rates; falling fuel prices; and improving levels of new home sales; were cautiously viewed as indications the long-awaited US recovery might actually be beginning. Additionally, signals that China might manage a soft economic landing and news of progress made in resolving Europe's crisis helped swing investor sentiment toward risk-taking. Globally, risk-on investing was back in vogue. As a result, equity markets posted double-digit returns while fixed income investments were essentially flat for the quarter.

The risk-taking asset rally continued through the third quarter as US GDP growth met expectations and unemployment data continued to show signs of improvement. The European Central Bank implemented its Long-Term Refinancing Operation to assist in stabilizing Europe's financial system. Additionally, Greece and Spain began to take the difficult and politically unpopular steps necessary to resolve their economic woes. Also during the third quarter, in an effort to encourage continued economic recovery, the Federal Reserve voted to keep interest rates near zero through 2014. These factors fueled investor optimism and their appetite for risk-taking. Investment flows centered on the US equity markets, which posted double-digit returns for the quarter. Fixed income returns saw slight improvements, but still ended the quarter in the low single digits.

The final quarter of fiscal year 2012 witnessed investors shift once again into the riskoff investing mode. Disappointing economic data pointed to sustained weak recoveries in most developed markets. Investor concern was further fueled by China's apparent need to cut interest rates for the first time since 2008, in an attempt to re-energize its slowing economic growth. In addition, the United States moved ever closer to the so called "fiscal cliff" stoked by investor fears. By quarter end, the strength of this shift away from risk-taking was enough to erase the strong equity market gains reaped during the previous three quarters. At the same time, fixed income investments, such as US Treasury Inflation Protected Securities, saw their highest quarterly returns for the fiscal year.

In fiscal year 2012, the term "risk-on/risk-off" was coined to describe these periods of extreme market volatility that resulted as the strength of investors' desire for risk-taking abruptly increased or decreased with each new headline or economic statistic. In terms of investment returns, the year came to a close with investor's portfolios essentially back where they had begun. Fiscal year 2012 both began and ended with equities posting negative returns while the safer asset classes of fixed income and real estate experienced modest gains. Fiscal year 2012 was a difficult year filled with economic and political uncertainties that strongly influenced both investor confidence and markets returns.

Fiscal Year 2012
Performance Overview

TOTAL EQUITY SECURITIES: \$12,546,683,547

TOTAL NUMBER OF SHARES OF EQUITY SECURITIES HELD: 950,964,471

TOTAL NUMBER OF ISSUES OF EQUITY SECURITIES HELD: 5,372

TOTAL BOND INVESTMENTS: $\$ 6,954,136,165$

TOTAL PAR OF BOND INVESTMENTS HELD: \$16,460,397,443

TOTAL NUMBER OF BOND ISSUES HELD:

After a strong start, the risk-off environment experienced during the fourth quarter resulted in the System experiencing essentially flat returns for the fiscal year. The total return of 0.6 percent slightly underperformed the System's total plan benchmark return of 0.9 percent. This performance ranked just below the 0.9 percent median return of large public plans in the Callan Associates peer universe. The three-year total return of 12.9 percent captured the strong returns of the previous two fiscal years, while longer term returns continued to reflect the impact of the 2008 financial crisis. The five-year return of 1.3 percent was most affected, while the fiscal year 2012 10-year return of 6.2 percent showed improvement over the fiscal year 201110 -year return of 5.4 percent. Important to note is that the System's portfolio structure is designed to achieve success over the long term. Although the impact of many challenging events in the global financial markets over the past few years has affected shorter-term returns, the System has been successful in achieving its 8.0 percent assumed rate of return over longer periods. This is evidenced by the 30 -year return of 9.6 percent.

SHORT-TERM PORTFOLIO
Cash flows generated by the contributions to the System and from ancillary income-generating activities are managed and invested by the System's investment staff. These assets are used to fund monthly benefits, refunds, and annual cost of living adjustment payments. As interest rates at the short end of the yield curve remained near zero throughout the fiscal year, the return on the internally managed short-term investment program was a meager 0.1 percent for fiscal year 2012. The cash portion of the accounts managed by external investment managers is invested in interest earning cash equivalents. All short-term investments are made in accordance with State law and policies set by the Board of Trustees.

## PUBLIC EQUITY PORTFOLIO

Though equity markets experienced strong positive returns through the third quarter of the fiscal year, those returns were given back in the fourth quarter as investor risk aversion gained momentum. The broad market benchmarks like the Russell 3000 and the MSCI All Country World ex-US Indices returned 3.8 percent and negative 14.2 percent, respectively. For the fiscal year, the System's domestic equity portfolios returned 3.2 percent, slightly underperforming the benchmark Russell 3000 Index, but still ranking well above the median public equity return in the Callan public fund universe. The international equity portfolio, comprised of both developed and emerging market investments saw returns of negative 12.7. This exceeded its benchmark index by more than 2.0 percent and also ranked above median in Callan's Public Fund international equity universe.

While disappointing in absolute terms, in relative terms, the total public equity portfolio return of negative 2.7 percent for the fiscal year beat the MSCI All Country World Index (ACWI) total equity benchmark return of negative 6.0 percent. Total public equity portfolio returns for the three-year period ended June 30, were 14.4 percent, with five-year returns at negative 0.9 percent. These returns also exceeded the benchmark MSCI ACWI Index returns of 11.4 percent for the three-year, and negative 2.2 percent for the five-year period. For the 10 years ended June 30, the public equity portfolio's return of 6.1 percent under-performed its benchmark by 20 basis points.

As of June 30, the System had allocated 40.0 percent of the total portfolio to domestic equities, 13.9 percent to international developed markets, 5.9 percent to emerging markets, and 4.4 percent to global equities. Within the domestic equity portfolio, 71.0 percent of the investments were in large, 18.0 percent mid, and 11.0 percent small capitalization securities.

## FIXED INCOME PORTFOLIO

The System's fiscal year 2012 fixed income portfolio was comprised of a variety of investment strategies. The majority of the assets in the fixed income program were managed against the Barclay's Capital Aggregate Index. This included both active and passive core US portfolios and core plus strategies, which also had exposure to high-yield and non-US issues. In addition, the System's fixed income program included Treasury Inflation Protected and emerging market debt portfolios. This diversified program structure worked well throughout fiscal year 2012 and


TOTAL PRIVATE EQUITY INVESTMENTS: \$449,172,194
provided especially strong returns in the more risk-averse first and fourth quarters. The System's fixed income portfolio return ranked in the top quartile of the consultant's public fund domestic fixed income universe with performance of 9.2 percent for the year. The portfolio also handily outperformed the benchmark Barclays Capital Aggregate Index return of 7.5 percent. The fixed income portfolio returns were 9.2 and 7.5 percent for the three- and five-year periods ended June 30, beating the Index's 6.9 and 6.8 percent returns. The 10 -year performance for the portfolio was 6.1 percent, while the index returned 5.6 percent. The System ended the year with approximately 89.5 percent of the fixed income portfolio invested in domestic issues and 10.5 percent in non-US debt.

REAL ESTATE PORTFOLIO
For fiscal year 2012, the real estate investment program consisted of investments in core, coreplus and value-added real estate funds; timber; and publicly traded US and non-US real estate investment trusts (REITs). For the fiscal year, the System's real estate investments returned 8.2 percent. Longer term three- and five-year performance came in at 11.3 and negative 2.0 percent, respectively. The core real estate segment of the portfolio returned 11.2 percent for the year, slightly underperforming the NFI-ODCE Index return of 11.5 percent for same period. The System's core real estate also posted a three-year return of 7.8 percent, which compared favorably with the benchmark Index's return of 6.8 percent. While continuing to reflect the impact of the 2008 financial crisis, the five-year core real estate return of negative 0.8 percent exceeded the negative 2.1 percent return of the Index.

The System's value-added real estate portfolio posted a strong return of 12.6 percent for the year, while its benchmark, the NCREIF Property Index, saw returns of 12.0 percent. The biggest disappointment in the real estate portfolio for the year was the System's timber investments. Comprised of both US and non-US timber investments, the portfolio reported returns of negative 6.8 percent. This was the result of the impact of both the continued slump in new housing starts on timber prices and the strengthening dollar's translation effect on non-US investments. The NCREIF Timberland Index returns for the same period were 1.1 percent.

The public REIT portfolio, comprised of both US and non-US REITs, saw returns of 6.0 percent for the one-year period. Longer term results were mixed, with the System's REIT investments showing strong three-year returns of 27.2 percent compared to the Index at 19.5. The five-year returns were negative 1.0 for the REIT portfolio and negative 2.5 for the benchmark EPRA/NAREIT Index. At the end of the fiscal year, real estate investments comprised 7.4 percent of the System's total portfolio.

PRIVATE EQUITY PORTFOLIO
The System's private equity program consisting of two separate fund-of-funds was launched in late 2008, so it continues to be a relatively immature portfolio. As of June 30, 2012, approximately 87 percent of the System's total private equity commitment of $\$ 1.5$ billion had been committed by the two fund-of-funds, with approximately $\$ 467.6$ million of capital called for investment. Longer term investments, such as private equity, generally experience negative returns during the first six to seven years of the investment lifespan as funds are being invested and expenses are paid out. Positive returns are experienced once investments begin to mature and gains are realized. As the result of some early realizations, the System's private equity investments returned 3.3 percent for fiscal year 2012. These investments totaled 2.2 percent of the total fund at year end.

One of the most important decisions made by the Board of Trustees is that of determining the long-term asset allocation policy for the investment portfolio. The System's investment consultant conducts periodic asset/liability allocation studies that include consideration of projected future liabilities of the System, expected risk, return and correlations for various asset classes, and the System's statutory investment restrictions. In late fiscal year 2010, the Board conducted an asset/liability study that resulted in the adoption of strategic asset allocation targets of 52.5 percent public equities, 27.5 percent fixed income, 10.0 percent real estate, 5.0 percent private equity, and 5.0 percent absolute return. Implementation of this allocation policy continued throughout fiscal year 2012.

Important to note is that asset allocation target decisions for public pensions are unique to the individual plan and are based on the plan's specific liability requirements, as well as any statutory investment restrictions under which the investment program must operate. As a result, the System's allocation could be somewhat different than that of other public pension plans. From time to time this variance can result in significant differences in investment returns.


TYPES OF INVESTMENTS: The specific types of investments in which the System is authorized to invest are enumerated in Section 25-11-121 of the Mississippi Code of 1972.

ASSET ALLOCATION: The current long-term asset allocation was adopted by the Board of Trustees in June 2010. Asset allocation studies are conducted by the System every three to five years, or more frequently should significant liability changes occur.

PERFORMANCE: The performance of each investment manager is measured against an appropriate, industry recognized index, which is used as the minimum investment return benchmark. The risk associated with each investment manager's portfolio is not expected to exceed that of the designated benchmark without a corresponding increase in returns relative to the benchmark.

Each investment manager is expected to perform above the mean of their peer universe over a rolling three-year period. The peer universe is maintained by the System's investment consultant.

The investment consultant produces quarterly performance evaluation reports for each investment manager. These reports also include performance over 1-, 3-, 5- and 10 -year periods, if applicable. The quarterly review includes performance comparisons against the established benchmarks and peer universes. In addition to individual manager performance, each quarterly report also includes composite and total portfolio performance data. The quarterly performance review is presented to the Board by the investment consultant.

Each active investment manager makes a formal presentation to the Board of Trustees or the investment staff in Jackson at least annually. If deemed necessary, representatives of the System also may elect to visit the investment managers at their place of business.

Summary Fiscal year 2012 was a challenging year. Global economic uncertainties weighed on investors' psyche resulting in often abrupt changes in their risk tolerance, and in turn, their appetite for certain asset classes. The year was a disappointing year in terms of investment returns, but through all the market gyrations, the System never wavered its focus by attempting to time the market moves. The focus remained on the long-term investment horizon.

Acknowledging the uncertainty of future economic scenarios and the potential impact on investment returns, one might ask "What is being done to ensure the financial soundness of the System?" By design, a pension plan investment program must focus on the long-term investment horizon. The System is essentially a "perpetual" investor, and as such, its portfolio should be-and-is structured to provide the best returns possible over the long term within the Board of Trustees' accepted risk parameters. While, admittedly, investors will always face challenging times, the System takes prudent steps to attempt to ensure that its portfolio is well positioned to meet all future financial obligations. Important to remember is that this System seeks to invest for the long term and has successfully weathered many financial storms for six decades.

Financial markets almost certainly guarantee there will always be obstacles to face, but as a "perpetual" investor, the System will continue to utilize sound investment principles and steadfastly work to overcome all challenges the future might present as we strive to provide secure benefits for our membership.

PERFORMANCE SUMMARY
-FOR FISCAL YEAR ENDED JUNE 30, 2012 -

|  | CURRENT YEAR | ANNUALIZED |  |
| :---: | :---: | :---: | :---: |
|  |  | 3-YEAR | 5-YEAR |
| Total Plans: |  |  |  |
| MS PERS COMBINED RETURN* | 0.6\% | 12.9\% | 1.3\% |
| MS PERS POLICY <br> TARGET RETURN | 0.9 | 11.5 | 1.6 |
| PUBLIC FUNDS >\$1 BILLION MEDIAN | 0.9 | 11.8 | 1.8 |
| Debt Securities: |  |  |  |
| DEBT SECURITIES <br> MANAGERS COMPOSITE* | 9.2 | 9.2 | 7.5 |
| BARCLAYS CAPITAL AGGREGATE BOND INDEX | 7.5 | 6.9 | 6.8 |
| Domestic Equity: |  |  |  |
| DOMESTIC EQUITY <br> MANAGERS COMPOSITE* | 3.2 | 17.6 | 1.0 |
| RUSSELL 3000 INDEX | 3.8 | 16.7 | 0.4 |
| International Equity: |  |  |  |
| INTERNATIONAL EQUITY MANAGERS COMPOSITE* | (12.7)** | 8.5 | (4.3) |
| MSCI ALL COUNTRY WORLD EX-US INDEX | (14.2) | 7.4 | (4.2) |
| Global Equity: |  |  |  |
| GLOBAL EQUITY <br> MANAGERS COMPOSITE* | (4.1) | 11.5 | (5.1) |
| MSCI WORLD INDEX | (5.0) | 11.0 | (3.0) |
| Real Estate: |  |  |  |
| COMMINGLED FUNDS AND REITS COMPOSITE* | 8.2 | 11.3 | (2.0) |
| NFI-ODCE EQUAL WEIGHT NET | 11.5 | 6.8 | (2.1) |
| US SELECT REIT INDEX | 13.3 | 33.5 | 2.0 |
| FTSE EPRA/NAREIT DEVELOPED MARKETS INDEX | 2.4 | 19.5 | (2.5) |
| Private Equity: |  |  |  |
| PRIVATE EQUITY COMPOSITE* | 3.3 | 1.1 | - |
| S \& P 500 INDEX + 5\% | 11.0 | 21.8 | 5.7 |
| *Calculations for the System are prepared using a time-weighted rate-of-return methodology based upon market values. **/ncludes both developed and emerging market investments. |  |  |  |

LARGE PUBLIC PLANS*
TOTAL PLANS: ANNUALIZED RATES OF RETURN

## MEDIAN

MS PERS


* Public funds $>\$ 1$ billion median

Defined Benefit Plans: NON-US INVESTMENTS BY COUNTRY - FAIR VALUE AT JUNE 30, 2012 -

| ARGENTINA | 0.24\% | GUERNSEY CI | 0.03\% | PORTUGAL | 0.02\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| AUSTRALIA | 7.82\% | HONG KONG | 2.38\% | PUERTO RICO | 0.12\% |
| AUSTRIA | 0.10\% | HUNGARY | 0.35\% | QATAR | 0.13\% |
| AZERBAIJAN | 0.04\% | ICELAND | 0.02\% | ROMANIA | 0.03\% |
| BELGIUM | 0.87\% | INDIA | 1.24\% | RUSSIA | 1.84\% |
| BERMUDA | 1.11\% | INDONESIA | 1.64\% | SENEGAL | 0.03\% |
| BRAZIL | 3.89\% | IRELAND | 1.40\% | SERBIA \& MONTENEGRO | 0.01\% |
| BRITISH VIRGINISLANDS | 0.16\% | ISRAEL | 0.42\% | SINGAPORE | 1.36\% |
| CANADA | 5.81\% | ITALY | 0.67\% | SLOVAKIA | 0.04\% |
| CAYMAN ISLANDS | 1.08\% | JAPAN | 10.68\% | SOUTH AFRICA | 1.98\% |
| CHILE | 0.32\% | JERSEY CI | 0.48\% | SOUTH KOREA | 3.33\% |
| CHINA | 1.04\% | KAZAKHSTAN | 0.20\% | SPAIN | 1.28\% |
| COLUMBIA | 0.28\% | LATVIA | 0.05\% | SRI LANKA | 0.06\% |
| COTE D'IVOIRE | 0.06\% | LIBERIA | 0.01\% | SUPRANATIONAL GEOGRAPHIC | 0.55\% |
| CROATIA | 0.09\% | LITHUANIA | 0.16\% | SWEDEN | 1.42\% |
| CURACAO | 0.46\% | LUXEMBOURG | 0.85\% | SWITZERLAND | 4.48\% |
| CZECH REPUBLIC | 0.13\% | MACAU | 0.01\% | TAIWAN | 1.26\% |
| DENMARK | 0.50\% | MALAYSIA | 0.28\% | THAILAND | 0.50\% |
| DOMINICAN REPUBLIC | 0.06\% | MARSHALL ISLANDS | 0.09\% | TURKEY | 1.33\% |
| EGYPT | 0.38\% | MEXICO | 2.74\% | UKRAINE | 0.18\% |
| EL SALVADOR | 0.10\% | NETHERLANDS | 2.49\% | UNITED ARAB EMIRATES | 0.18\% |
| FINLAND | 0.18\% | NEW ZEALAND | 0.09\% | UNITED KINGDOM | 15.14\% |
| FRANCE | 5.54\% | NORWAY | 0.88\% | URUGUAY | 0.11\% |
| GEORGIA | 0.02\% | PAKISTAN | 0.17\% | VENEZUELA | 0.28\% |
| GERMANY | 5.02\% | PANAMA | 0.17\% |  |  |
| GREECE | 0.01\% | PAPUA NEW GUINEA | 0.10\% |  |  |
| GUATEMALA | 0.03\% | PERU | 0.33\% |  |  |
|  |  | PHILIPPINES | 0.75\% |  |  |
|  |  | POLAND | 0.32\% |  |  |



EQUITY INVESTMENTS BY INDUSTRY TYPE

- FAIR VALUE AT JUNE 30, 2012 -

TEN LARGEST EQUITY HOLDINGS

|  | SHARES | FAIR VALUE |
| :---: | :---: | :---: |
| APPLE, INC. | 424,914 | \$248,149,776 |
| EXXON MOBIL CORPORATION | 2,692,467 | 230,394,401 |
| MICROSOFT CORPORATION | 3,688,030 | 112,816,838 |
| CHEVRON CORPORATION | 1,040,257 | 109,747,114 |
| PHILIP MORRIS INTERNATIONAL, INC. | 1,239,257 | 108,137,566 |
| COCA-COLA COMPANY | 1,306,227 | 102,133,889 |
| GENERAL ELECTRIC COMPANY | 4,580,260 | 95,452,618 |
| INTERNATIONAL BUSINESS MACHINES CORPORATION | 460,389 | 90,042,881 |
| BERKSHIRE HATHAWAY, INC. | 1,062,644 | 88,550,125 |
| PROCTOR \& GAMBLE COMPANY | 1,370,412 | 83,937,735 |
| TOTALS | 17,864,857 | \$1,269,362,943 |

A complete list of portfolio holdings is available upon written request.

Defined Benefit Plans:
Private Equity Portfolio

PRIVATE EQUITY PORTFOLIO SUMMARY
Total Private Equity Investments: \$449,172,194

PRIVATE EQUITY INVESTMENTS BY FUND TYPE - JUNE 30, 2012 -


VENTURE
CAPITAL


SPECIAL SITUATIONS


BUYOUTS

Total Bond
Investments:
\$6,954,136,165

Total Par of Bond Investments Held: $\$ 16,460,397,443$

Total Number
of Bond Issues Held:
3,130

CORPORATE BOND INVESTMENTS BY INDUSTRY TYPE*

- FAIR VALUE AT JUNE 30, 2012 -


FINANCIAL


INDUSTRIAL
4.41\% MISCELLANEOUS
3.37\% TELEPHONE
2.97\%

UTILITIES

TEN LARGEST LONG-TERM CORPORATE BOND HOLDINGS*

|  | PAR | FAIR VALUE |
| ---: | ---: | ---: |
| ROYAL BANK OF CANADA | $\$ 83,600,000$ | $\$ 83,703,581$ |
| NATIONAL AUSTRALIA BANK | $55,300,000$ | $55,251,391$ |
| METLIFE INSTITUTIONAL |  |  |
| FUNDING |  |  |$\quad 48,700,000 \quad 48,692,744$

* Includes investments purchased with cash collateral received in the securities lending program.

Defined Benefit Plans: Real Estate Investment Portfolio

REAL ESTATE PORTFOLIO SUMMARY

## Total Real Estate Investments: <br> $\$ 1,477,795,845$ <br> Total Number of Shares* <br> of Real Estate Investments Held: $302,547,442$ <br> Total Number of Issues of REITs Held: 125

* Includes units of commingled funds and shares of REITs.

PORTFOLIO DISTRIBUTION
BY PROPERTY TYPE - JUNE 30, 2012 -


TEN LARGEST REIT HOLDINGS


PORTFOLIO DISTRIBUTION BY GEOGRAPHIC LOCATION - JUNE 30, 2012 -


Defined Benefit Plans: $\quad$ NET INVESTMENT INCOME BY SOURCE

- LAST TEN FISCAL YEARS -
[in thousands]

| FISCAL YEAR | BOND INTEREST INCOME | DIVIDEND INCOME | SHORT-TERM INCOME | REALIZED <br> GAIN (LOSS) ON INVESTMENTS | APPRECIATION (DEPRECIATION) IN FAIR VALUE OF INVESTMENTS |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2003 | \$289,976 | \$150,103 | \$20,159 | \$ $(378,619)$ | \$399,890 |
| 2004 | 256,939 | 185,756 | 15,792 | 717,570 | 909,442 |
| 2005 | 213,809 | 259,360 | 16,848 | 848,980 | 230,871 |
| 2006 | 217,912 | 270,713 | 23,597 | 1,382,874 | $(46,746)$ |
| 2007 | 229,244 | 331,397 | 36,578 | 1,014,839 | 1,904,107 |
| 2008 | 246,360 | 363,343 | 26,374 | 824,992 | $(3,192,348)$ |
| 2009 | 224,605 | 296,492 | 14,528 | $(1,710,303)$ | $(2,639,433)$ |
| 2010 | 184,923 | 273,687 | 12,169 | 542,100 | 1,180,636 |
| 2011 | 185,818 | 326,174 | 14,001 | 1,200,877 | 2,560,115 |
| 2012 | 186,038 | 323,610 | 9,460 | 585,346 | $(1,016,522)$ |

TEN-YEAR TOTAL PENSION INVESTMENT RATES OF RETURN
[fair value in millions]

|  | TOTAL <br> INVESTMENT <br> PORTFOLIO <br> FAIR VALUE | SMOOTHED <br> RATE OF RETURN | FAIR VALUE <br> RATE OF RETURN | ACTUARIAL <br> ASSUMED RATE <br> OF RETURN |
| ---: | ---: | ---: | ---: | ---: |
| 2003 | $\$ 14,604$ | $2.4 \%$ | $3.5 \%$ | $8.0 \%$ |
| 2004 | 16,085 | 2.5 | 14.6 | 8.0 |
| 2005 | 17,250 | 2.5 | 9.8 | 8.0 |
| 2006 | 18,742 | - | 10.7 | 8.0 |
| 2007 | 21,766 | 19,439 | 7.2 | 18.9 |
| 2008 | 15,512 | $(11.0)$ | $(8.2)$ | 8.0 |
| 2009 | 16,767 | 0.2 | $(19.4)$ | 8.0 |
| 2010 | 20,314 | 19,578 | 4.0 | 14.1 |

Defined Benefit Plans: NET INVESTMENT INCOME BY SOURCE (CONtinued) - LAST TEN FISCAL YEARS -
[in thousands]


## TEN-YEAR TOTAL PENSION INVESTMENT RATES OF RETURN



- . . Smoothed Rate of Return consists of investment income in surplus or deficit of the assumed 8 percent on fair value smoothed over a five-year period with 20 percent of a year's surplus or deficit being recognized each year beginning with the current year. PERS, MHSPRS, and SLRP smoothed rates have been averaged. In fiscal year 2006, PERS, MHSPRS, and SLRP actuarial assets were set equal to market value of assets. Therefore, no smoothed difference existed between actuarial and investment asset amounts. In fiscal year 2007 smoothing resumes with the additional constraint that actuarial value of assets cannot be less than 80 percent nor more than 120 percent of market value. In fiscal year 2009, the 80/120 percent corridor was eliminated for the purpose of determining actuarial value of asssets. MRS is excluded as an agent multi-employer closed plan.
-     -         -             - Fair Value Rate of Return consists of cash income plus gains and losses due to changes in fair value, whether realized or unrealized (before deduction of investment fees).
- Actuarial Assumed Rate is the assumed rate of return on the fair value of assets, and is used in establishing retirement contribution rates and in determining current benefit reserve requirements.


PERCENT OF PORTFOLIO

- FAIR VALUE AT JUNE 30,2012 -

| Equities: |  |  |  |
| :---: | :---: | :---: | :---: |
| NORTHERN TRUST <br> GLOBAL INVESTMENT | 15.52\% | DIMENSIONAL FUND ADVISORS - EAFE | 2.60\% |
| STATE STREET GLOBAL ADVISORS - LARGE CAP | 5.40\% | EAGLE CAPITAL | 2.59\% |
| LAZARD ASSET MANAGEMENT | 4.38\% | ARTISAN PARTNERS MID CAP DOMESTIC | 2.43\% |
| BLACKROCK INSTITUTIONAL - EAFE | 3.64\% | WELLINGTON <br> MANAGEMENT - MID CAP | 2.43\% |
| JARISLOWSKY FRASER LIMITED | 3.19\% | THE BOSTON COMPANY - MID CAP | 2.38\% |
| NEW STAR INSTITUTIONAL | 2.88\% | ARTISAN PARTNERS - EM | 1.57\% |
| FAYEX SAROFIM \& COMPANY | 2.80\% | ACADIAN ASSET | 1.55\% |
| INTECH, LLC | 2.71\% | WELLINGTON <br> MANAGEMENT - SMALL CAP | 1.51\% |

$\left.\begin{array}{r|c}\text { EPOCH INVESTMENT } \\ \text { PARTNERS }\end{array}\right) 1.47 \%$

MANAGEMENT-SMALI CAP $1.51 \%$


Defined Benefit Plans: INVESTMENT FEES AND COMMISSIONS

- FOR THE YEAR ENDED JUNE 30, 2012 -

|  | ASSETS UNDER <br> MANAGEMENT | FEES |
| ---: | ---: | ---: |
| Investment Managers: |  |  |
| EQUITIES | $\$ 12,881,331,473$ | $\$ 35,066,590$ |
| DEBT SECURITIES | $4,957,391,992$ | $6,490,433$ |
| REAL ESTATE | $1,485,595,389$ | $2,264,837$ |
| PRIVATE EQUITY | $451,253,524$ |  |
| TOTALS | $\mathbf{\$ 1 9 , 7 7 5 , 5 7 2 , 3 7 8}$ | $\mathbf{\$ 4 3 , 8 2 1 , 8 6 0}$ |


| Other Investment Service Fees: |
| ---: | ---: | ---: |
| SECURITIES LENDING AGENT/ |
| CASH MANAGEMENT FEES |
| CUSTODIAN FEES FOR |
| ANCILLARY SERVICES |$\quad \$ 2,742,293$

Defined Benefit Plans: BROKERAGE COMMISSIONS PAID*

| Brokerage Firm, Including Subsidiaries: | NUMBER OF SHARES TRADED | COMMISSIONS | COMMISSIONS PER SHARE |
| :---: | :---: | :---: | :---: |
| JP MORGAN SECURITIES | 41,511,643 | \$586,435 | \$0.014 |
| CREDIT SUISSE | 53,604,150 | 560,635 | 0.010 |
| INSTINET | 101,625,566 | 550,377 | 0.005 |
| MERRILL LYNCH PIERCE FENNER | 56,787,440 | 538,033 | 0.009 |
| DEUTSCHE BANK | 38,490,529 | 448,415 | 0.012 |
| UBS AG | 46,295,094 | 441,234 | 0.010 |
| MORGAN STANLEY AND COMPANY | 31,467,558 | 364,332 | 0.012 |
| KNIGHT SECURITIES | 11,737,799 | 363,729 | 0.031 |
| CITIGROUP, INC. | 39,214,090 | 358,434 | 0.009 |
| GOLDMAN SACHS \& COMPANY | 25,402,512 | 325,994 | 0.013 |
| SANFORD C. BERNSTEIN CO., LLC | 11,272,117 | 270,128 | 0.024 |
| BANK OF NEW YORK MELLON | 15,401,362 | 248,712 | 0.016 |
| WEEDEN \& CO. LP | 8,947,335 | 245,155 | 0.027 |
| BARCLAYS CAPITAL | 15,088,722 | 243,251 | 0.016 |
| JEFFERIES \& COMPANY, INC. | 11,960,230 | 230,552 | 0.019 |
| RBC CAPITAL MARKETS | 8,210,034 | 202,010 | 0.025 |
| INVESTMENT TECHNOLOGY GROUP | 25,359,587 | 182,150 | 0.007 |
| MACQUARIE SECURITIES | 29,124,043 | 179,711 | 0.006 |
| LIQUIDNET, INC. | 16,102,784 | 162,317 | 0.010 |
| STIFEL NICHOLAUS \& COMPANY | 4,184,550 | 152,892 | 0.037 |
| COWEN \& COMPANY | 8,595,155 | 139,364 | 0.016 |
| CREDIT LYONNAIS SA | 36,037,119 | 136,380 | 0.004 |
| BTIG, LLC (BAYPOINT TRADING) | 3,667,105 | 123,220 | 0.034 |
| WELLS FARGO SECURITIES | 3,117,776 | 115,872 | 0.037 |
| NOMURA SECURITIES COMPANY | 20,655,652 | 114,437 | 0.006 |
| RAYMOND JAMES FINANCIAL, INC. | 2,585,561 | 97,069 | 0.038 |
| CANTOR FITZGERALD | 2,900,481 | 92,946 | 0.032 |
| ROBERT W. BAIRD \& COMPANY | 2,012,850 | 76,972 | 0.038 |
| KEYBANC CAPITAL MARKETS, INC. | 1,926,383 | 67,916 | 0.035 |
| OTHERS (LESS THAN \$60,000) | 72,472,638 | 1,324,727 | 0.018 |
| COMMISSION RECAPTURE INCOME | - | $(322,000)$ | - |
| TOTALS | 745,757,865 | \$8,621,399 | \$0.012 |

Defined Benefit Plans: INVESTMENT SUMMARY

- FOR THE YEAR ENDED JUNE 30, 2012 -
[in thousands]

|  | JULY 1, 2011 BEGINNING FAIR VALUE* | PURCHASES | SALES AND MATURITIES | INCREASE (DECREASE) in fair value | JUNE 30, 2012 ENDING FAIR VALUE** | PERCENT OF TOTAL FAIR VALUE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SHORT-TERM INVESTMENTS | \$2,277,012 | \$204,810,818 | \$205,339,203 | (\$253) | \$1,748,374 | 7.6\% |
| LONG-TERM DEBT SECURITIES | 5,410,576 | 7,406,075 | 5,963,640 | 101,125 | 6,954,136 | 30.0 |
| EQUITIES | 14,325,598 | 4,680,055 | 5,253,498 | $(1,205,471)$ | 12,546,684 | 54.1 |
| REAL ESTATE | 1,308,391 | 407,361 | 321,428 | 83,472 | 1,477,796 | 6.4 |
| PRIVATE EQUITY | 216,256 | 227,845 | 1,443 | 6,514 | 449,172 | 1.9 |
| totals | \$23,537,833 | \$217,532,154 | \$216,879,212 | (\$1,014,613) | \$23,176,162 | 100.0\% |

* Includes investment securities on loan to broker-dealers with a fair value of \$3,133,322. It also includes the securities purchased with the cash collateral received in the lending program with a fair value of $\$ 3,223,611$. 13.0 percent of the total fair value of investments were on loan to broker-dealers. To arrive at the net asset value of investments of $\$ 20.7$ billion, the fair value total must be adjusted by (\$2.8 billion), which represents the fair value of the cash collateral investments, cash in sweep accounts, accrued interest and dividends, and net payable cash for investments purchased. ** Includes investment securities on loan to broker-dealers with a fair value of $\$ 3,560,647$. It also includes the securities purchased with the cash collateral received in the lending program with a fair value of $\$ 3,597,774.15 .0$ percent of the total fair value of investments were on loan to broker-dealers. To arrive at the net asset value of investments of $\$ 20.1$ billion, the fair value total must be adjusted by (\$3.1 billion), which represents the fair value of the cash collateral investments, cash in sweep accounts, accrued interest and dividends, and net payable cash for investments purchased.

INVESTMENTS BY TYPE

- FAIR VALUE AT JUNE 30, 2012 -
$1.9 \%$
PRIVATE
EQUITY
6.4\% REAL ESTATE
$7.6 \%$ SHORT-TERM INVESTMENTS


LONG-TERM DEBT
SECURITIES


EQUITIES

| Defined Contribution Plans: | INVESTMENT SUMMARY <br> - FOR THE YEAR ENDED JUNE 30, 2012 - |  |
| :---: | :---: | :---: |
|  | FAIR VALUE OF ASSETS | ANNUAL RATE OF RETURN |
| AMERICAN FUNDS NEW PERSPECTIVE FUND | \$25,468,089 | (3.12)\% |
| BLACKROCK EQUITY INDEX FUND | 142,779,292 | 5.47 |
| BLACKROCK EAFE EQUITY INDEX | 56,013 | * |
| BLACKROCK US DEBT INDEX FUND - CLASS T | 23,303,688 | 7.49 |
| BOSTON COMPANY MIDCAP OPPORTUNISTIC VALUE POOLED FUND | 165,539,961 | (6.57) |
| CONSECO LIFE INSURANCE COMPANY | 341,224 | N/A |
| FAYEZ SAROFIM | 143,628,806 | 11.01 |
| FIDELITY DIVERSIFIED INTERNATIONAL FUND | 23,302,870 | (11.35) |
| FIDELITY SMALL CAP FUND | 23,632,181 | (14.02) |
| MDC STABLE VALUE FUND | 546,112,642 | 2.36 |
| MONEY MARKET FUND FOR EBT | 23,433,323 | 0.27 |
| PIMCO TOTAL RETURN FUND <br> II - INSTITUTIONAL CLASS | 31,518,749 | 6.64 |
| SSGA US INFLATION PROTECTED BOND INDEX FUND - CLASS C | 11,932,178 | 11.56 |
| T. ROWE PRICE INTERNATIONAL STOCK FUND | 34,525,835 | (11.47) |
| VANGUARD TARGET RETIREMENT 2010 | 30,368,343 | 4.06 |
| VANGUARD TARGET RETIREMENT 2015 | 9,037,269 | 2.71 |
| VANGUARD TARGET RETIREMENT 2020 | 6,520,433 | 1.75 |
| VANGUARD TARGET RETIREMENT 2025 | 4,408,144 | 1.00 |
| VANGUARD TARGET RETIREMENT 2030 | 3,334,174 | 0.16 |
| VANGUARD TARGET RETIREMENT 2035 | 2,345,411 | (0.68) |
| VANGUARD TARGET RETIREMENT 2040 | 882,766 | (0.91) |
| VANGUARD TARGET RETIREMENT 2045 | 705,389 | (0.83) |
| VANGUARD TARGET RETIREMENT 2050 | 561,784 | (0.85) |
| VANGUARD TARGET RETIREMENT 2055 | 107 | * |
| VANGUARD TARGET RETIREMENT INCOME | 3,661,976 | 5.61 |
| VANGUARD WINDSOR FUND | 26,822,880 | 0.68 |
| TOTAL | \$1,284,223,527 |  |
|  | * Return is not shown since fund has been included in defined contribution plan investment options less than one year. |  |

## PERS Bolsters Economic Activity



Each dollar invested by Mississippi taxpayers in PERS plans supports \$5.05 in total economic activity in the state.

Sixty years ago
the State Legislature established PERS,
and today PERS provides annual benefits of almost \$2 billion.


# Cavanaugh Macdonald <br> CONSULTING, LLC <br> The experience and dedication you deserve 

November 7, 2012
Board of Trustees
Public Employees' Retirement System
of Mississippi
429 Mississippi Street
Jackson, MS 39201-1005

## Dear Board Members:

The basic financial objective of the Public Employees' Retirement System of Mississippi (PERS) is to establish and receive contributions which:
(1) When expressed in terms of the percents of active member payroll will remain approximately level from generation to generation of Mississippi citizens, and which
(2) When combined with present assets and future investment return will be sufficient to meet the present and future financial obligations of PERS.

In addition, PERS maintains a funding policy that was revised in 2012. In order to meet the objectives listed above, the System will strive to meet the following funding goals:
(1) To maintain an increasing ratio of system assets to accrued liabilities and reach an 80 percent minimum funded ratio in 2042;
(2) To maintain adequate asset levels to finance the beneffits promised to members;
(3) To develop a pattern of stable contribution rates when expressed as a percentage of member payroll as measured by valuations prepared in accordance with the principles of practice prescribed by the Actuarial Standards Board, with a minimum employer contribution equal to the normal cost determined under the Entry Age Normal funding method.

In order to measure progress toward this fundamental objective and funding policy, PERS has an annual actuarial valuation performed. The valuation (i) measures present financial position, and (ii) establishes contribution rates that provide for the current cost and level percent of payroll amortization of unfunded actuarial accrued liability over a reasonable period. The latest completed actuarial valuation was based upon data and assumptions as of June 30, 2012. This valuation indicates that the current contribution rates of $15.75 \%$ of payroll for employers and $9.00 \%$ of payroll for active members, for benefits then in effect, meet the basic financial objective and the goals of the funding policy as listed above. There are 162,311 active members as of June 30, 2012.

The actuarial valuation is based upon financial and participant data which is prepared by the retirement system staff, assumptions regarding future rates of investment retum and inflation, and rates of retirement, tumover, death and disability among PERS members and their beneficiaries. The data are reviewed by us for intemal and year to year consisteney as well as general reasonableness prior to its use in the actuarial valuation. It is also summarized and tabulated for the purpose of analyzing trends. The assumptions were adopted by the Board of Trustees and were based upon actual experience of PERS during the years 2006 to 2010. Assets are valued according to a market related method that recognizes $20 \%$ of the previously unrecognined and unanticipated gains and losses. The assumptions and methods utilized in this valuation, in our opinion, meet the parameters established by Govermmental Accounting Standards Board Statement No. 25.

The current benefit structure is outlined in the Actuarial Section. There were no changes in the beneffit structure since the last valuation.
We provided most of the information used in the supporting schedules in the Actuarial and Statistical Sections, as well as the Schedules of Funding Progress and the employer contributions shown in the Schedules of Employer Contributions in the Financial Section.

Based upon the valuation results and the presumption that fature contributions will be made at the necessary level to ensure adequate funding and to meet accounting standards, it is our opinion that the Public Employees' Retirement System of Mississippi continues in sound condition in accordance with the actuarial prineiples of level percent of payroll financing.

Respectfully submitted,


Thomas J. Cavanaugh, FSA, EA, FCA, MAAA
Chief Executive Officer

# Cavanaugh Macdonald <br> CONSULTING, LLC <br> The experience and dedication you deserve 

November 7, 2012
Board of Trustees
Public Employees' Retirement System
of Mississippi
429 Mississippi Street
Jackson, MS 39201-1005
Dear Board Members:
The basic financial objective of the Mississippi Highway Safety Patrol Retirement System (HSPRS) is to establish and receive contributions which:
(1) When expressed in tems of the pereents of active member payroll will remain approximately level from gencration to generation of Mississippi citizens, and which
(2) When combined with present assets and firture investment retum will be sufficient to meet the present and future financial obligations of HSPRS.

In order to measure progress toward this fundamental objective, HSPRS has an annual actuarial valuation performed. The valuation (i) measures present financial position, and (ii) establishes contribution rates that provide for the current cost and level percent of payroll amortization of unfunded actuarial accrued liability over a reasonable period. The latest completed actuarial valuation was based upon data and assumptions as of June 30, 2012. This valuation indicates that contribution rates of $39.49 \%$ of payroll for employers and $7.25 \%$ of payroll for active members, along with anticipated contributions as provided by Senate Bill No. 2659 (effective July 1, 2004), for benefits then in effect, meet the basic financial objective. There are 547 active members as of June 30, 2012.

The actuarial valuation is based upon financial and participant data which is prepared by the retirement system staff, assumptions regarding future rates of investment retum and inflation, and rates of retirement, tumover, death and disability among HSPRS members and their beneficiaries. The data is reviewed by us for internal and year to year consistency as well as general reasonableness prior to its use in the actuarial valuation. It is also summarized and tabulated for the purpose of analyzing trends. The assumptions were adopted by the Board of Trustees and were based upon actual experience of HSPRS during the years 2006 to 2010 . Assets are valued according to a market related method that recognizes $20 \%$ of the previously unrecognized and unanticipated gains and losses. The assumptions and methods utilized in this valuation, in our opinion, meet the parameters established by Govemmental Accounting Standards Board Statement No. 25.

The current benefit structure is outlined in the Actuarial Section.
We provided most of the information used in the supporting schedules in the Actuarial and Statistical Sections, as well as the Schedule of Funding Progress and the employer contributions shown in the Schedules of Employer Contributions in the Financial Section.

Based upon the valuation results and the presumption that future contributions will be made at the necessary level to ensure adequate funding and to meet accounting standards, it is our opinion that the Mississippi Highway Safety Patrol Retirement System continues in sound condition in accordance with the actuarial principles of level percent of payroll finascing.

Respectfully submitted,


Thomas J. Cavanaugh, FSA, EA, FCA, MAAA
Chief Executive Officer
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# Cavanaugh Macdonald <br> CONSULTING, LLC <br> The experience and dedication you deserve 

November 7, 2012

## Board of Trustees

Public Employees' Retirement System
of Mississippi
429 Mississippi Street
Jackson, MS 39201-1005
Dear Board Members
The basic financial objective of the Municipal Retirement System of Mississippi (MRS) is to establish and receive contributions (expressed as a tax on assessed property valuations) which:
(1) Will be in amounts sufficient, but not more than necessary, to maintain the actuarially soundness of the Funds for all future years (the tax may be increased but not by more than one-half mill per year), and which
(2) When combined with present assets and future investment retum will be sufficient to meet the present and future financial obligations of MRS

In addition, MRS maintains a funding policy that was revised in 2011. In this new funding policy, contributions are extended past 2020 and an employer contribution rate, expressed as a millage rate tax applied to assessed property values, is established beginning in the 2011 -2012 fiscal year that will generate an ultimate reserve level equal to a reasonable percentage (initially $100 \%-150 \%$ ) of the next year's projected benefit payment. At that point, employer contributions will be set equal to the fiscal year's projected benefit payments and adjusted as necessary to maintain the assets at the established resenve level.

In order to measure progress toward this fundamental objective, MRS has an annual actuarial valuation performed. The valuation (i) measures present financial position, and (ii) establishes contribution rates that provide for the amortization of unfunded total actuarial liabilities over a closed period. The latest completed actuarial valuation was based upon data and assamptions as of September 30, 2011. These valuations indicate that the current contribution rates, for benefits then in effect, meet the basic financial objective. The employee contribution rates vary by participating City and are $7 \%$ - 10\% of payroll for active members. There were 25 active members as of September 30, 2011.

The actuarial valuation is based upon financial and participant data which is prepared by the retirement system staff, assumptions regarding future rates of investment retum and inflation, and rates of retirement, tumover, death and disability among PERS members and their beneficiaries. The data is reviewed by us for intemal and year to year consistency as well as general reasonableness prior to its use in the actuarial valuation. It is also summarized and tabulated for the purpose of analyzing trends. The assumptions were adopted by the Board of Trustees and were based upon actual experience of PERS during the years 2006 to 2010 . Assets are valued according to a market related method that recognizes $20 \%$ of the previously unrecognized and unanticipoted gains and losses. The assumptions and methods utilized in this valuation, in our opinion, meet the parameters established by Govemmental Accounting Standards Board Statement No. 25. The funding method is not one of the acceptable methods under Statement No. 25, but, in our opinion, is appropriate for MRS since all the Funds have been closed to new members.

The current benefit structure is outlined in the Actuarial Section. There have been no changes in beneffit structure since the last valuation.
We provided most of the information used in the supporting schedules in the Actuarial and Statistical Sections, as well as the Schedules of Funding Progress and the employer contributions shown in the Schedules of Employer Contributions in the Financial Section.

Based upon the valuation results it is our opinien that the Municipal Retirement Systems of Mississippi continue in sound condition in accordance with the actuarial principles and requirements of State law. However, given the constraint on employer contribution increases, there is a possibility, depending upon future experience, that one or more of the Funds under MRS will be exhausted at some point in the future. Such an event would lead to at least a temporary reduction in benefits paid until the affected Fund's cash flow position improved.

Respectfully submitted,


Thomas J. Cavanaugh, FSA, EA, FCA, MAAA
Chief Executive Officer
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# Cavanaugh Macdonald 

## CONSULTING, LLC

November 7, 2012
The experience and dedication you deserve
Board of Trustecs
Public Employees' Retirement System
of Mississippi
429 Mississippi Streer
Jackson, MS 39201-1005
Dear Board Members:
The basic financial objective of the Mississippi Supplemental Legislative Retirement Plan (SLRP) is to establish and receive contributions which:
(1) When expressed in terms of the percents of active member payroll will remain approximately level from generation to generation of Mississippi citizens, and which
(2) When combined with present assets and future investment return will be sufficient to meet the present and future financial obligations of SLRP.

In addition, SLRP maintains a funding policy that was revised in 2012. In order to meet the objectives listed above, the System will strive to meet the following funding goals:
(1) To maintain an increasing ratio of system assets to acerued liabilities and reach an 80 percent minimum funded ratio in 2042;
(2) To maintain adequate asset levels to finance the benefits promised to members;
(3) To develop a pattem of stable contribution rates when expressed as a pereentage of member payroll as measured by valuations prepared in accordance with the principles of practice prescribed by the Actuarial Standards Board, with a minimum employer contribution equal to the normal cost determined under the Entry Age Normal funding method.

In order to measure progress toward this fundamental objective and funding policy, SLRP has an annual actuarial valuation performed. The valuation (i) measures present financial position, and (ii) establishes contribution rates that provide for the current cost and level percent of payroll amortization of unfunded actuarial accrued liability over a reasonable period. The latest completed actuarial valuation was based upon data and assumptions as of June 30,2012 . This valuation indicates that contribution rates of $7,40 \%$ of payroll for employers and $3.00 \%$ of payroll for active members, for benefits then in effect, meet the basic financial objective and the goals of the funding policy as listed above. There are 175 active members as of June $30,2012$.

The actuarial valuation is based upon financial and participant data which is prepared by the retirement system staff, assumptions regarding future rates of investment retum and inflation, and rates of retirement, tumover, death and disability among SLRP members and their beneficiaries. The data is reviewed by us for internal and year to year consistency as well as general reasonableness prior to its use in the actuarial valuation. It is also summarized and tabulated for the purpose of analyzing trends. The assumptions were adopted by the Board of Trustees and were based upon actual experience of SLRP during the years 2006 to 2010 . Assets are valued according to a market related method that recognizes $20 \%$ of the previously unrecognized and unanticipated gains and losses. The assumptions and methods utilized in this valuation, in our opinion, meet the parameters established by Governmental Accounting Standards Board Statement No. 25.

The current benefit structure is outlined in the Actuarial Section.
We provided most of the information used in the supporting schedules in the Actuarial and Statistical Sections, as well as the Schedules of Funding Progress and the employer contributions shown in the Schedules of Employer Contributions in the Financial Section.

Based upon the valuation results and the presumption that future contributions will be made at the necessary level to ensure adequate funding and to meet accounting standards, it is our opinion that the Mississippi Supplemental Legislative Retirement Plan continues in sound condition in accordance with the actuarial principles of level percent of payrell financing.

Respectfully submitted,


Thomas J. Cavanaugh, FSA, EA, FCA, MAAA
Chief Executive Officer

## 3550 Busbee Pkwy, Suite 250, Kennesaw, GA 30144

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Public Employees' Retirement System of Mississippi: Statement of Actuarial Assumptions \& Methods

At the April 27, 2011, meeting, the Board of Trustees adopted assumptions based on findings from the four-year experience study ending June 30, 2010. Following are the assumptions adopted by the PERS Board for this program.

INTEREST RATE: 8.0 percent per annum, compounded annually (net of all expenses).
SEPARATIONS FROM ACTIVE SERVICE: Representative values of the assumed rates of separation from active service are as follows:

| AGE | ANNUAL RATES OF |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | WITHDRAWAL \& VESTING* |  | DEATH** |  | DISABILITY** |  |
|  | MALE | Female | MALE | Female | MALE | female |
| 20 | 22.0\% | 22.0\% | 0.01\% | -\% | 0.01\% | 0.01\% |
| 25 | 15.0 | 15.0 | 0.01 | 0.01 | 0.02 | 0.01 |
| 30 | 10.0 | 10.5 | 0.02 | 0.01 | 0.02 | 0.02 |
| 35 | 8.0 | 8.0 | 0.03 | 0.01 | 0.05 | 0.02 |
| 40 | 6.0 | 6.0 | 0.04 | 0.02 | 0.12 | 0.08 |
| 45 | 5.5 | 5.0 | 0.07 | 0.02 | 0.23 | 0.14 |
| 50 | 5.5 | 5.0 | 0.14 | 0.04 | 0.29 | 0.21 |
| 55 | 5.5 | 5.0 | 0.19 | 0.06 | 0.52 | 0.37 |
| 60 | 5.5 | 5.0 | 0.22 | 0.09 | 0.40 | 0.32 |
| 65 | 5.5 | 5.0 | 0.40 | 0.16 | - | - |
| 70 | 5.5 | 5.0 | 0.40 | 0.27 | - | - |
| 74 | 5.5 | 5.0 | 0.40 | 0.47 | - | - |

*For all ages, rates of 34.0 percent for first year of employment and 22.0 percent for second year.
**94.0 percent are assumed to be non-duty related, and 6.0 percent are assumed to be duty related.

|  |  | Jal rates Of | JICE RETIREM |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| AGE | UNDER 25 YEARS OF SERVICE | 25 YEARS OF SERVICE \& OVER | UNDER 25 <br> YEARS OF SERVICE | 25 YEARS OF SERVICE \& OVER |
| 45 | -\% | 13.0\% | -\% | 11.0\% |
| 50 | - | 13.0 | - | 11.0 |
| 55 | - | 15.0 | - | 18.0 |
| 60 | 11.0 | 15.0 | 13.0 | 20.0 |
| 62 | 19.0 | 30.0 | 18.0 | 30.0 |
| 65 | 20.0 | 28.0 | 25.0 | 38.0 |
| 70 | 17.0 | 20.0 | 19.0 | 25.0 |
| 75 | 100.0 | 100.0 | 100.0 | 100.0 |

SALARY INCREASES: Representative values of the assumed annual rates of salary increase are as follows:

|  | ANNUAL RATES OF SALARY INCREASES |  |  |
| ---: | :---: | :---: | :---: |
| SERVICE | MERIT \& SENIORITY | BASE(ECONOMY) | INCREASE NEXT YEAR |
| 0 | $15.75 \%$ | $4.25 \%$ | $20.00 \%$ |
| 1 | 5.75 | 4.25 | 10.00 |
| 2 | 3.25 | 4.25 | 7.50 |
| 3 | 2.25 | 4.25 | 6.50 |
| 4 | 1.75 | 4.25 | 6.00 |
| 5 | 1.25 | 4.25 | 5.50 |
| 10 | 0.75 | 4.25 | 5.00 |
| 15 | 0.75 | 4.25 | 5.00 |
| 20 | 0.75 | 4.25 | 5.00 |
| 25 | 0.75 | 4.25 | 5.00 |
| 30 | 0.25 | 4.25 | 4.50 |
| 35 | 0.25 | 4.25 | 4.50 |

PAYROLL GROWTH: 4.25 percent per annum, compounded annually.
PRICE INFLATION: 3.5 percent per annum, compounded annually.
TIMING OF DECREMENTS AND PAY INCREASES: Middle of year.
DEATH AFTER RETIREMENT: The table for post-retirement mortality used in evaluating allowances to be paid is the 1994 Group Annuity Mortality Table. The RP-2000 Disabled Mortality Table (set back two years for males and set forward three years for females) was used for the period after disability retirement. This assumption is used to measure the probabilities of each benefit payment being made after retirement. Mortality improvement is anticipated under this assumption as recent mortality experience shows actual deaths 11.0 percent greater than expected under the selected table.

MARRIAGE ASSUMPTION: 85.0 percent married with the husband three years older than wife.
UNUSED SICK LEAVE: 0.5 years at retirement.
MILITARY SERVICE: 0.25 years at retirement.
VALUATION METHOD: The valuation is prepared on the projected benefit basis, which is used to determine the present value of each member's expected benefit payable at retirement, disability, or death. The calculations are based on the member's age, years of service, sex, compensation, expected future salary increases, and an assumed future interest earnings rate (currently 8.0 percent). The calculations consider the probability of a member's death or termination of employment prior to becoming eligible for a benefit and the probability of the member terminating with a service, disability, or survivor's benefit. The present value of the expected benefits payable to active members is added to the present value of the expected future payments to current benefit recipients to obtain the present value of all expected benefits payable to the present group of members and survivors.

The employer contributions required to support the benefits of PERS are determined following a level funding approach and consist of a normal contribution and an accrued liability contribution.

The normal contribution is determined using the "entry age normal" method. Under this method, a calculation is made for pension benefits to determine the uniform and constant percentage rate of employer contribution that, if applied to the compensation of the average new member during the entire period of his or her anticipated covered service, would be required in addition to the contributions of the member to meet the cost of all benefits payable on his or her behalf.

The unfunded accrued liability is determined by subtracting the current assets and the present value of prospective employer normal contributions and member contributions from the present value of expected benefits to be paid from the PERS. The accrued liability contribution amortizes the balance of the unfunded accrued liability over a period of years from the valuation date.

ASSET VALUATION METHOD: Market value-five-year smoothing is the method used for asset valuation. The actuarial value of assets recognizes a portion of the difference between the market value of assets and the expected market value of assets, based on the assumed valuation rate of return. The amount recognized each year is 20.0 percent of the difference between market value and expected market value.

Mississippi Highway Safety
Patrol Retirement System:
Statement of Actuarial Assumptions \& Methods

At the April 27, 2011, meeting, the Board of Trustees adopted assumptions based on findings from the four-year experience study ending June 30, 2010. Following are the assumptions adopted by the PERS Board for this program.

INTEREST RATE: 8.0 percent per annum, compounded annually (net after all expenses).
SEPARATIONS FROM ACTIVE SERVICE: Representative values of the assumed annual rates of separation from active service are as follows:

| AGE | ANNUAL RATES |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | WITHDRAWAL \& VESTING | DEATH | DISABILITY |  | SERVICE | SERVICE RETIREMENT* |
|  |  |  | NON-DUTY | DUTY |  |  |
| 25 | 4.0\% | 0.03\% | 0.09\% | 0.01\% | 5 | 5.0\% |
| 30 | 3.5 | 0.04 | 0.12 | 0.02 | 10 | 5.0 |
| 35 | 2.5 | 0.05 | 0.16 | 0.04 | 15 | 5.0 |
| 40 | 1.0 | 0.07 | 0.20 | 0.07 | 20 | 10.0 |
| 45 | 1.0 | 0.11 | 0.30 | 0.06 | 25 | 15.0 |
| 50 | 0.5 | 0.16 | 0.50 | 0.05 | 30 | 25.0 |
| 55 | - | 0.21 | 0.91 | 0.02 | 35 | 25.0 |
| *The annual rate of service retirement is 100.0 percent at age 60 . |  |  |  |  |  |  |
| It is assumed that a member will be granted one and three-quarter years of service credit for unused leave at termination of employment. In addition, it is assumed that, on average, one quarter year of service credit for peace-time military service will be granted to each member. |  |  |  |  |  |  |

SALARY INCREASES: Representative values of the assumed annual rates of salary increase are as follows:

|  | ANNUAL RATES |  |  |
| :---: | :---: | :---: | :---: |
| AGE | MERIT \& SENIORITY | BASE(ECONOMY) | INCREASE NEXT YEAR |
| 20 | $5.84 \%$ | $4.25 \%$ | $10.09 \%$ |
| 25 | 2.57 | 4.25 | 6.82 |
| 30 | 1.75 | 4.25 | 6.00 |
| 35 | 1.75 | 4.25 | 6.00 |
| 40 | 1.75 | 4.25 | 6.00 |
| 45 | 1.25 | 4.25 | 5.50 |
| 50 | 0.75 | 4.25 | 5.00 |
| 55 | 0.75 | 4.25 | 5.00 |

PAYROLL GROWTH: 4.25 percent per annum, compounded annually.
PRICE INFLATION: 3.5 percent per annum, compounded annually.
TIMING OF DECREMENT AND PAY INCREASES: Middle of year.
DEATH AFTER RETIREMENT: The table for post-retirement mortality used in evaluating allowances to be paid was the 1994 Group Annuity Mortality Table. The RP-2000 Disabled Mortality Table (set back two years for males and set forward three years for females) was used for the period after disability retirement. This assumption is used to measure the probabilities of each benefit payment being made after retirement. Mortality improvement is anticipated under this assumption as recent mortality experience shows actual deaths 15.0 percent greater than expected under the selected table.

MARRIAGE ASSUMPTION: 100.0 percent married with the husband three years older than wife.

VALUATION METHOD: The valuation is prepared on the projected benefit basis, which is used to determine the present value of each member's expected benefit payable at retirement, disability, or death. The calculations are based on the member's age, years of service, sex, compensation, expected future salary increases, and an assumed future interest earnings rate (currently 8.0 percent). The calculations consider the probability of a member's death or termination of employment prior to becoming eligible for a benefit and the probability of the member terminating with a service, disability, or survivor's benefit. The present value of the expected benefits payable to active members is added to the present value of the expected future payments to current benefit recipients to obtain the present value of all expected benefits payable to the present group of members and survivors.

The employer contributions required to support the benefits of MHSPRS are determined following a level funding approach and consist of a normal contribution and an accrued liability contribution.

The normal contribution is determined using the "entry age normal" method. Under this method, a calculation is made for pension benefits to determine the uniform and constant percentage rate of employer contribution that, if applied to the compensation of the average new member during the entire period of his or her anticipated covered service, would be required in addition to the contributions of the member to meet the cost of all benefits payable on his or her behalf.

The unfunded accrued liability is determined by subtracting the current assets and the present value of prospective employer normal contributions and member contributions from the present value of expected benefits to be paid from the MHSPRS. The accrued liability contribution amortizes the balance of the unfunded accrued liability over a period of years from the valuation date.

ASSET VALUATION METHOD: Market value-five-year smoothing is the method used for asset valuation. The actuarial value of assets recognizes a portion of the difference between the market value of assets and the expected market value of assets, based on the assumed valuation rate of return. The amount recognized each year is 20.0 percent of the difference between market value and expected market value.

Municipal Retirement Systems: At the April 27, 2011, meeting, the Board of Trustees adopted assumptions based on findings Statement of Actuarial from the four-year experience study ending June 30, 2010. Following are the assumptions Assumptions \& Methods adopted by the PERS Board for this program.

INTEREST RATE: 8.0 percent per annum, compounded annually (net after investment expenses) for prior funding policy rate determination and GASB disclosure.
6.5 percent per annum, compounded annually (net after investment expenses) for current funding policy rate determination.

SEPARATIONS FROM ACTIVE SERVICE: Representative values of the assumed annual rates of separation from active service are as follows:

| AGE | anNual rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | DEATH |  | DISABILITY |  |
|  | WITHDRAWAL | NON-DUTY | DUTY | NON-DUTY | DUTY |
| 20 | 10.65\% | 0.04\% | 0.02\% | 0.08\% | 0.06\% |
| 25 | 8.64 | 0.05 | 0.03 | 0.12 | 0.12 |
| 30 | 6.87 | 0.08 | 0.04 | 0.18 | 0.26 |
| 35 | 4.86 | 0.11 | 0.05 | 0.24 | 0.52 |
| 40 | 2.97 | 0.15 | 0.07 | 0.36 | 0.60 |
| 45 | 1.44 | 0.22 | 0.09 | 0.64 | 0.54 |
| 50 | 0.24 | 0.34 | 0.14 | 1.10 | 0.88 |
| 55 | - | 0.44 | 0.20 | 1.58 | 1.18 |
| 60 | - | 0.51 | 0.32 | 2.20 | 1.30 |
| 64 | - | 0.57 | 0.42 | 2.86 | 1.38 |


| YEARS OF SERVICE | SERVICE <br> RETIREMENT |
| ---: | :---: |
| 20 | $45.0 \%$ |
| $21-28$ | 17.5 |
| $29-33$ | 35.0 |
| 34 \& OVER | 20.0 |
| AGE 65 | 100.0 |

SALARY INCREASES: 4.25 percent for wage inflation, plus the following:

| AGES | MERIT \& SENIORITY <br> SALARY INCREASE |
| ---: | :---: |
| UNDER 43 | $1.75 \%$ |
| $43-47$ | 1.25 |
| $48-52$ | 0.75 |
| 53 \& OVER | 0.25 |

PRICE INFLATION: 3.5 percent per annum, compounded annually.
DEATH AFTER RETIREMENT: The table for post-retirement mortality used in evaluating allowances to be paid is the 1994 Group Annuity Mortality Table. The RP-2000 Disabled Mortality Table (set back two-years for males and set forward three years for females) was used for the period after disability retirement. This assumption is used to measure the probabilities of each benefit payment being made after retirement.

MARRIAGE ASSUMPTION: 85.0 percent married with the husband three years older than wife.

VALUATION METHOD: Unfunded employer liabilities are amortized over a closed 30-year period from September 30, 1990, as a level percent of each municipality's assessed property valuation.

ASSESSED PROPERTY VALUE RATE OF INCREASE: 2.0 percent per annum, compounded annually (used in determining the millage rate under the prior funding policy).

EXPENSE LOAD: 2.0 percent of employer contributions.
ASSET VALUATION METHOD: Market value-five-year smoothing is the method used for asset valuation. The actuarial value of assets recognizes a portion of the difference between the market value of assets and the expected actuarial value of assets, based on the assumed valuation rate of return. The amount recognized each year is 20.0 percent of the difference between market value and expected market value. Actuarial value of assets was set equal to the market value on September 30, 2006, and smoothing commenced in 2007. Actuarial assets were allocated to individual cities in the same proportion that their market value of assets was to the total market value of assets for all cities.

## Supplemental Legislative <br> Retirement Plan: <br> Statement of Actuarial Assumptions \& Methods

At the April 27, 2011, meeting, the Board of Trustees adopted assumptions based on findings from the four-year experience study ending June 30, 2010. Following are the assumptions adopted by the PERS Board for this program.

INTEREST RATE: 8.0 percent per annum, compounded annually (net after all expenses).
SEPARATIONS FROM ACTIVE SERVICE: Representative values of the assumed rates of separation from active service are as follows:

|  | ANNUAL RATES |  |  |
| :---: | :---: | :---: | :---: |
| AGE | DEATH |  | MALE |
|  | FEMALE |  | DISABILITY* |
| 20 | $0.02 \%$ | $0.01 \%$ | $0.04 \%$ |
| 25 | 0.03 | 0.02 | 0.05 |
| 30 | 0.04 | 0.02 | 0.07 |
| 35 | 0.05 | 0.03 | 0.11 |
| 40 | 0.08 | 0.04 | 0.17 |
| 45 | 0.13 | 0.06 | 0.23 |
| 50 | 0.24 | 0.10 | 0.30 |
| 55 | 0.39 | 0.15 | 0.35 |
| 60 | 0.60 | 0.25 | 0.40 |
| 65 | 0.96 | 0.43 | - |
| 70 | 1.61 | 0.72 | - |

WITHDRAWAL AND VESTING: 15.0 percent in an election year, none in a non-election year.
SERVICE RETIREMENT: 25.0 percent in an election year, none in a non-election year. All members are assumed to retire no later than age 75 . It is assumed that a member will be granted two and a half years of service credit for unused leave at termination of employment.

PRICE INFLATION: 3.5 percent per annum, compounded annually.
PAYROLL GROWTH: 4.25 percent per annum, compounded annually.
TIMING OF DECREMENTS AND PAY INCREASES: Middle of year.
SALARY INCREASES: 4.5 percent per annum for all ages. The merit and seniority component is 0.25 percent, and the wage inflation component is 4.25 percent.

DEATH AFTER RETIREMENT: The table for post-retirement mortality used in evaluating allowances to be paid was the 1994 Group Annuity Mortality Table. The RP-2000 Disabled Mortality Table (set back two years for males and set forward three years for females) was used for the period after disability retirement. This assumption is used to measure the probabilities of each benefit payment being made after retirement. Mortality improvement is anticipated under this assumption as recent mortality experience shows actual deaths 15.0 percent greater than expected under the selected table.

MARRIAGE ASSUMPTION: 85.0 percent married with the husband three years older than wife.

VALUATION METHOD: The valuation is prepared on the projected benefit basis, which is used to determine the present value of each member's expected benefit payable at retirement, disability, or death. The calculations are based on the member's age, years of service, sex, compensation, expected future salary increases, and an assumed future interest earnings rate (currently 8.0 percent). The calculations consider the probability of a member's death or termination of employment prior to becoming eligible for a benefit and the probability of the member terminating with a service, disability, or survivor's benefit. The present value of the expected benefits payable to active members is added to the present value of the expected future payments to current benefit recipients to obtain the present value of all expected benefits payable to the present group of members and survivors.

The employer contributions required to support the benefits of SLRP are determined following a level funding approach and consist of a normal contribution and an accrued liability contribution.

The normal contribution is determined using the "entry age normal" method. Under this method, a calculation is made for pension benefits to determine the uniform and constant percentage rate of employer contribution that, if applied to the compensation of the average new member during the entire period of his or her anticipated covered service, would be required in addition to the contributions of the member to meet the cost of all benefits payable on his or her behalf.

The unfunded accrued liability is determined by subtracting the current assets and the present value of prospective employer normal contributions and member contributions from the present value of expected benefits to be paid from the SLRP. The accrued liability contribution amortizes the balance of the unfunded accrued liability over a period of years from the valuation date.

ASSET VALUATION METHOD: Market value-five-year smoothing is the method used for asset valuation. The actuarial value of assets recognizes a portion of the difference between the market value of assets and the expected market value of assets, based on the assumed valuation rate of return. The amount recognized each year is 20.0 percent of the difference between market value and expected market value.

# Public Employees' Retirement <br> System of Mississippi: Summary of Main System Provisions as Interpreted for Valuation Purposes 

SUMMARY OF MAIN BENEFIT AND CONTRIBUTION PROVISIONS
The following summary presents the main benefit and contribution provisions of the System in effect June 30, 2012, as interpreted in preparing the actuarial valuation. As used in the summary, "average compensation" means the average annual covered earnings of an employee during the four highest years of service. "Covered earnings" means gross salary not in excess of the maximum amount on which contributions were required. "Fiscal year" means a year commencing July 1 and ending June 30. "Credited service" means service while a member is contributing plus additional service as described below. "Unused sick and vacation leave" means service credit is provided at no charge to members for unused sick and vacation time that has accrued at the time of retirement. "Additional service" means additional service credit may be granted for service prior to February 1, 1953, active-duty military service, out-of-state service, professional leave, and non-covered and retroactive service.

The maximum covered earnings for employers and employees over the years are as follows:

| $\begin{aligned} & \text { DATE } \\ & \text { FROM } \end{aligned}$ | $\begin{aligned} & \text { DATE } \\ & \text { TO } \end{aligned}$ | EMPLOYER RATE | MAXIMUM COVERED EARNINGS | EMPLOYEE RATE | MAXIMUM COVERED EARNINGS |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2/1/53 | 6/30/58 | 2.50\% | \$6,000 | 4.00\% | \$4,800* |
| 7/1/58 | 6/30/60 | 2.50 | 9,000 | 4.00 | 7,800* |
| 7/1/60 | 6/30/66 | 2.50 | 15,000 | 4.00 | 13,800* |
| 7/1/66 | 6/30/68 | 3.00 | 15,000 | 4.50 | 13,800* |
| 7/1/68 | $3 / 31 / 71$ | 4.50 | 15,000 | 4.50 | 15,000 |
| 4/1/71 | 6/30/73 | 4.50 | 35,000 | 4.50 | 35,000 |
| 7/1/73 | 6/30/76 | 5.85 | 35,000 | 5.00 | 35,000 |
| 7/1/76 | 6/30/77 | 7.00 | 35,000 | 5.00 | 35,000 |
| 7/1/77 | 6/30/78 | 7.50 | 35,000 | 5.50 | 35,000 |
| 7/1/78 | 6/30/80 | 8.00 | 35,000 | 5.50 | 35,000 |
| 7/1/80 | 6/30/81 | 8.00 | 53,000 | 5.50 | 53,000 |
| 7/1/81 | 12/31/83 | 8.75 | 53,000 | 6.00 | 53,000 |
| 1/1/84 | 6/30/88 | 8.75 | 63,000 | 6.00 | 63,000 |
| 7/1/88 | 6/30/89 | 8.75 | 75,600 | 6.00 | 75,600 |
| 7/1/89 | 12/31/89 | 8.75 | 75,600 | 6.50 | 75,600 |
| 1/1/90 | 6/30/91 | 9.75 | 75,600 | 6.50 | 75,600 |
| 7/1/91 | 6/30/92 | 9.75 | 75,600 | 7.25 | 75,600 |
| 7/1/92 | 6/30/02 | 9.75 | 125,000 | 7.25 | 125,000 |
| 7/1/02 | 6/30/05 | 9.75 | 150,000 | 7.25 | 150,000 |
| 7/1/05 | 6/30/06 | 10.75 | 150,000 | 7.25 | 150,000 |
| 7/1/06 | 6/30/07 | 11.30 | 150,000 | 7.25 | 150,000 |
| 7/1/07 | 6/30/08 | 11.85 | 150,000 | 7.25 | 150,000 |
| 7/1/08 | 6/30/09 | 11.85 | 230,000 | 7.25 | 230,000 |
| 7/1/09 | 6/30/10 | 12.00 | 245,000 | 7.25 | 245,000 |
| 7/1/10 | 6/30/11 | 12.00 | 245,000 | 9.00 | 245,000 |
| 7/1/11 | 12/31/11 | 12.00 | 245,000 | 9.00 | 245,000 |
| 1/1/12 | 6/30/12 | 12.93 | 245,000 | 9.00 | 245,000 |
| 7/1/12 | 6/30/13 | 14.26 | 250,000 | 9.00 | 250,000 |

*From February 1, 1953, through June 30, 1968, the first $\$ 100$ in monthly earnings or \$1,200 in annual earnings were not covered earnings for the employee.

## Benefits SUPERANNUATION RETIREMENT

## Condition for Retirement

a) A retirement allowance is paid upon the request of any member who retires and has attained age 60 and completed at least eight years* of membership service. A retirement allowance may also be paid upon the completion of 25 years of creditable service for members hired prior to July 1, 2011, or upon the completion of 30 years of creditable service for members hired on or after July 1, 2011.
b) Any member who withdraws from service prior to his or her attainment of age 60 and who has completed at least eight years* of membership service is entitled to receive (in lieu of a refund of his or her accumulated contributions) a retirement allowance commencing at age 60 .
*Four years for those who entered the System before July 1, 2007.

## Amount of Allowance

The annual retirement allowance payable to a member who retires under condition (a) above is equal to:

1. A member's annuity that is the actuarial equivalent of the member's accumulated contributions at the time of his or her retirement; plus
2. For a member hired prior to July 1, 2011, an employer's annuity that, together with the member's annuity, is equal to 2.0 percent of his or her average compensation for each of the first 25 years of creditable service plus 2.5 percent for each year of creditable service over 25 years.
3. For a member hired on or after July 1,2011 , an employer's annuity that, together with the member's annuity, is equal to 2.0 percent of his or her average compensation for each of the first 30 years of creditable service plus 2.5 percent for each year of creditable service over 30 years. An actuarial reduction will be made for each year of creditable service below 30 or for each year of age below 65 , whichever is less.

For members hired prior to July 1,2011 , the minimum allowance is $\$ 120$ for each year of creditable service.

## DISABILITY RETIREMENT

Condition for Retirement
A retirement allowance is paid to a member who is totally and permanently disabled, as determined by the Board of Trustees, and who has accumulated eight or more years* of membership service.
*Four years for those who entered the System before July 1, 2007.

## Amount of Allowance

For those who were active members prior to July 1, 1992, and did not elect the benefit structure outlined below, the annual disability retirement allowance payable is equal to a superannuation retirement allowance if the member has attained age 60; otherwise it is equal to a superannuation retirement allowance calculated as follows:

1. A member's annuity equal to the actuarial equivalent of his or her accumulated contributions at the time of retirement; plus
2. An employer's annuity equal to the amount that would have been payable had the member continued in service to age 60 .

For those who become active members after June 30, 1992, and for those who were active members prior to July 1, 1992, who so elected, the following benefits are payable:

1. A temporary allowance equal to the greater of (a) 40.0 percent of average compensation plus 10.0 percent for each dependent child up to a maximum of two, or (b) the member's accrued allowance. This temporary allowance is paid for a period of time based on the member's age at disability, as follows:

| AGE AT <br> DISABILITY | DURATION |
| ---: | :---: |
| 60 \& earlier | to age 65 |
| 61 | to age 66 |
| 62 | to age 66 |
| 63 | to age 67 |
| 64 | to age 67 |
| 65 | to age 68 |
| 66 | to age 68 |
| 67 | to age 69 |
| 68 | to age 70 |
| $69 \&$ later | one year |

For members hired prior to July 1, 2011, the minimum allowance is $\$ 120$ per year of creditable service.
2. A deferred allowance commencing when the temporary allowance ceases, equal to the greater of (a) the allowance the member would have received based on service to the termination age of the temporary allowance, but not more than 40.0 percent of average compensation, or (b) the member's accrued allowance.

For members hired prior to July 1, 2011, the minimum allowance is $\$ 120$ per year of creditable service.

Effective July 1, 2004, a temporary benefit can be paid out of a member's accumulated contribution balance while the member is awaiting a determination for eligibility for disability benefits. Future disability payments, if any, would be offset by advanced payments made from the member's accumulated contributions.

## ACCIDENTAL DISABILITY RETIREMENT

Condition for Retirement
A retirement allowance is paid to a member who is totally and permanently disabled in the performance of duty.

## Amount of Allowance

The annual accidental disability retirement allowance is equal to the allowance payable on disability retirement but not less than 50.0 percent of average compensation. There is no minimum benefit.

## ACCIDENTAL DEATH BENEFIT

Condition for Benefit
A retirement allowance is paid to a spouse and/or dependent children upon the death of an active member in the performance of duty.

## Amount of Allowance

The annual retirement allowance is equal to 50.0 percent of average compensation payable to the spouse and 25.0 percent of average compensation payable to one dependent child or 50.0 percent to two or more children until age 19 ( 23 if a full-time student). There is no minimum benefit.

## ORDINARY DEATH BENEFIT

## Condition for Benefit

Upon the death of a member who has completed at least eight years* of membership service, a benefit is payable (in lieu of a refund of the member's accumulated contributions) to his or her spouse, if said spouse has been married to the member for not less than one year.
*Four years for those who entered the System before July 1, 2007.

## Amount of Allowance

The annual retirement allowance payable to the lawful spouse of a vested member who dies is equal to the greater of (a) the allowance that would have been payable had the member retired and elected Option 2, reduced by an actuarially determined factor based on the number of years the member lacked in qualifying for unreduced retirement benefits, or (b) a lifetime benefit equal to 20.0 percent of the deceased member's average compensation, but not less than $\$ 50$ per month.

In addition, a benefit is payable to dependent children until age 19 (23 if a full-time student). The benefit is equal to the greater of 10.0 percent of average compensation of $\$ 50$ per month for each dependent child up to three.

## RETURN OF CONTRIBUTIONS

Upon the withdrawal of a member without a retirement benefit, his or her contributions are returned to him or her, together with accumulated regular interest thereon.

Upon the death of a member before retirement, his or her contributions, plus the full accumulated regular interest thereon are paid to his or her designated beneficiary, if any, otherwise, to his or her estate, provided no other survivor benefits are payable.

Interest is currently credited to the member's account at 3.5 percent per annum.
NORMAL FORM OF BENEFIT
The normal form of benefit (modified cash refund) is an allowance payable during the life of the member with the provision that upon his or her death the excess of his or her total contributions at the time of retirement over the total retirement annuity paid to him or her will be paid to his or her designated beneficiary.

## OPTIONAL BENEFITS

A member upon retirement may elect to receive his or her allowance in one of the following forms, which are computed to be actuarially equivalent to the applicable retirement allowance.

Option 1. Reduced allowance with the provision that if the pensioner dies before he or she receives the value of his or her annuity as it was at the time of retirement, the balance shall be paid to his or her beneficiary.

Option 2. Upon his or her death, his or her reduced retirement allowance shall be continued throughout the life of, and paid to, his or her beneficiary.

Option 3. Upon his or her death, 50.0 percent of his or her reduced retirement allowance shall be continued throughout the life of, and paid to, a designated beneficiary and the other 50.0 percent of his or her reduced retirement allowance to some other designated beneficiary.

Option 4. Upon his or her death, 75.0 percent of his or her reduced retirement allowance shall be continued throughout the life of, and paid to, a designated beneficiary.

Option 4A. Upon his or her death, 50.0 percent of his or her reduced retirement allowance shall be continued throughout the life of, and paid to, a designated beneficiary.

Option 4B. A reduced retirement allowance shall be continued throughout the life of the pensioner, but with the further guarantee of payment to the pensioner or his or her beneficiary for a specified number of years certain.

Option 4C. A member may elect any option with the added provision that he or she shall receive, so far as possible, the same total amount annually (considering both PERS and Social Security benefits) before and after the earliest age at which he or she becomes eligible for a Social Security benefit. This option was only available to those who retired prior to July 1, 2004.

A member who elects Option 2, Option 4, or Option 4A at retirement may revert to the normal form of benefit if the designated beneficiary predeceases the retired member or if the retired member divorces the designated beneficiary. A member who elects the normal form of benefit or Option 1 at retirement may select Option 2, Option 4, or Option 4A to provide beneficiary protection to a new spouse if married after retirement.

A member hired prior to July 1, 2011, and who has at least 28 years of creditable service* or a member hired on or after July 1, 2011, who has at least 33 years of creditable service may select the Partial-Lump-Sum Option at retirement. Under this option, the retiree has the option of taking a partial-lump-sum distribution equal to either 12,24 , or 36 times the base maximum monthly benefit. With each lump-sum amount, the base maximum monthly benefit will be actuarially reduced. A member selecting the Partial-Lump-Sum Option may also select any of the regular options except Option 1, the prorated single-life annuity, and Option 4C, the Social Security-leveling provision. The benefit is then calculated using the new reduced maximum benefit as a starting point in applying the appropriate option factors for the reduction.
*Or at least age 63 with four years of membership service for those who entered the System before July 1, 2007.

## POST-RETIREMENT ADJUSTMENTS IN ALLOWANCES

The allowances of retired members are adjusted annually by an amount equal to
a) 3.0 percent of the annual retirement allowance for each full fiscal year of retirement prior to the year in which the member reaches age $55^{*}$, plus
b) 3.0 percent compounded for each year thereafter beginning with the fiscal year in which the member turns age $55^{*}$.
*Age 60 for members hired on or after July 1, 2011.
A prorated portion of the annual adjustment will be paid to the member, beneficiary, or estate of any member or beneficiary who is receiving the annual adjustment in a lump sum, but whose benefits are terminated between July 1 and December 1 .

## CONTRIBUTIONS

Members contribute 9.0 percent of compensation. The Board of Trustees sets employer contribution rates for PERS, as per Mississippi statute. The adequacy of these rates is checked annually by actuarial valuation. Refer to Note 7 of the basic financial statements for additional information.

## Mississippi Highway Safety <br> Patrol Retirement System: <br> Summary of Main System <br> Provisions as Interpreted for Valuation Purposes

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SUMMARY OF MAIN BENEFIT AND CONTRIBUTION PROVISIONS
The following summary presents the main benefit and contribution provisions of the System in effect June 30, 2012, as interpreted in preparing the actuarial valuation. As used in the summary, "average compensation" means the average annual covered earnings of an employee during the four highest consecutive years of service. "Covered earnings" means gross salary not in excess of the maximum amount on which contributions were required. "Fiscal year" means a year commencing July 1 and ending June 30. "Credited service" means service while a member is contributing plus additional service as described below. "Unused sick and vacation leave" means service credit is provided at no charge to members for unused sick and vacation time that has accrued at the time of retirement. "Additional service" means additional service credit may be granted for service prior to July 1, 1958, active-duty military service, and retroactive service.

The maximum covered earnings for employers and members over the years are as follows:

| DATE <br> FROM | DATE <br> TO | EMPLOYER <br> RATE | MAXIMUM <br> COVERED <br> EARNINGS* | MEMBER <br> RATE | MAXIMUM <br> COVERED <br> EARNINGS* |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $7 / 1 / 1958$ | $6 / 30 / 1968$ | $13.33 \%$ | \$- | $5.00 \%$ | \$- |  |
| $7 / 1 / 1968$ | $6 / 30 / 1971$ | 15.33 | - | 5.00 | - |  |
| $7 / 1 / 1971$ | $6 / 30 / 1973$ | 18.59 | - | 5.00 | - |  |
| $7 / 1 / 1973$ | $6 / 30 / 1975$ | 20.77 | - | 5.00 | - |  |
| $7 / 1 / 1975$ | $6 / 30 / 1978$ | 24.65 | - | 5.00 | - |  |
| $7 / 1 / 1978$ | $6 / 30 / 1980$ | 26.16 | - | 6.00 | - |  |
| $7 / 1 / 1980$ | $6 / 30 / 1989$ | 26.16 | - | 6.50 | - |  |
| $7 / 1 / 1989$ | $6 / 30 / 1990$ | 27.97 | - | 6.50 | - |  |
| $7 / 1 / 1990$ | $6 / 30 / 2003$ | 26.16 | - | 6.50 | - |  |
| $7 / 1 / 2003$ | $6 / 30 / 2006$ | 28.16 | - | 6.50 | - |  |
| $7 / 1 / 2006$ | $6 / 30 / 2008$ | 30.30 | - | 6.50 | - |  |
| $7 / 1 / 2008$ | $12 / 31 / 2011$ | 30.30 | 35.21 | 37.00 | - | 7.25 |

*Maximum covered earnings equal wages paid, not to exceed wages paid to the Commissioner of the Department of Public Safety (currently $\$ 146,850$ ).

Effective July 1, 2004, additional contributions will be made to the System as a result of the enactment of Senate Bill No. 2659. The additional contributions are estimated to be $\$ 3,600,000$ annually based on current experience.

## Benefits SUPERANNUATION RETIREMENT

## Condition for Retirement

a) A retirement allowance is payable to any member who retires and has attained age 55 and completed at least five years of membership service, or has attained age 45 and completed at least 20 years of creditable service, or has completed 25 years of creditable service regardless of age.

Any member who has attained age 63 shall be retired forthwith. Effective July 1, 2011, the Commissioner of Public Safety is authorized to allow a member who has attained age 63 to continue in active service. Such continued service may be authorized annually until the member attains age 65 .
b) Any member who withdraws from service prior to his or her attainment of age 55 but after having completed five or more years of creditable service is entitled to receive (in lieu of a refund of his or her accumulated contributions) a retirement allowance commencing at age 55.

## Amount of Allowance

The annual retirement allowance payable to a retired member is equal to:

1. A member's annuity that is the actuarial equivalent of the member's accumulated contributions at the time of his or her retirement; plus
2. An employer's annuity that, together with the member's annuity, is equal to 2.5 percent of his or her average compensation for each year of membership service; plus
3. A prior service annuity equal to 2.5 percent of average compensation for each year of prior service.

The aggregate amounts of (2) and (3) above shall not exceed 100.0 percent of average compensation, regardless of service, for retirements on or after January 1, 2000; 85.0 percent for retirements prior to January 1, 2000.

The minimum allowance for both service and disability retirement is based on the following table for each year of creditable service, reduced if necessary as indicated below.


The annual retirement allowance payable to a member who retires under condition (a) above prior to age 55 is computed in accordance with the above formula except that the employer's annuity and prior service annuity are reduced 3.0 percent for each year of age below age 55, or 3.0 percent for each year of service below 25 years of creditable service, whichever is less.

## DISABILITY RETIREMENT

## Condition for Retirement

A retirement allowance is payable to any member who is not eligible for a service retirement benefit but who becomes totally and permanently disabled, either physically or mentally, regardless of creditable service, if the disability is due to causes in the performance of duty. If the disability is not in the performance of duty, the member must have completed at least five years of membership service to be eligible for retirement.

## Amount of Allowance

The annual disability retirement allowance payable is equal to the greater of 50.0 percent of his average salary for the two years immediately preceding retirement or a retirement allowance as calculated under the provisions for superannuation retirement.

## DEATH PRIOR TO RETIREMENT

Upon the death of a highway patrol officer who is eligible for service retirement, family benefits are payable equal to those which would have been payable had he or she been retired on his or her date of death.

Upon the death of a highway patrol officer either in the line of duty or as a result of an accident occurring in the line of duty, the following benefits are payable:
a) benefit to the spouse equal to one-half of the member's average compensation.
b) a benefit to a dependent child payable to age 19 (23 if a full-time student) equal to one-fourth of the member's average compensation for one child or one-half for two or more children.

## DEATH AFTER RETIREMENT

Upon the death of a highway patrol officer who has retired for service or disability and who has not elected any other optional form of benefit, his widow or her widower is eligible for a benefit equal to 50.0 percent of his or her retirement allowance and each child (but not more than two) who has not attained age 19 ( 23 if a full-time student) is eligible for a benefit equal to 25.0 percent of his or her retirement allowance. The benefit to the widow or widower is payable for life and to children until they attain age 19 ( 23 if a full-time student) or for life if they are totally and permanently disabled.

## REFUND OF CONTRIBUTIONS

Upon a member's termination of employment for any reason before retirement, his or her accumulated contributions, together with regular interest thereon, are refunded. Upon the death of a member who is not eligible for any other death benefit, his or her accumulated contributions, together with regular interest thereon, are paid to his or her beneficiary.

Interest is currently credited to the member's account at 3.5 percent per annum.

## NORMAL FORM OF BENEFIT

The normal form of benefit is an allowance payable during the life of the member. Upon death the benefits described above are payable.

## OPTIONAL BENEFITS

A member upon retirement may elect to receive his or her allowance in one of the following forms, which are computed to be actuarially equivalent to the applicable retirement allowance.

Option 1. Reduced allowance with the provision that if the pensioner dies before he or she receives the value of his or her annuity as it was at the time of retirement, the balance shall be paid to his or her beneficiary.

Option 2. Upon his or her death, his or her reduced retirement allowance shall be continued throughout the life of, and paid to, his or her beneficiary.

Option 3. Upon his or her death, 50.0 percent of his or her reduced retirement allowance shall be continued throughout the life of, and paid to, a designated beneficiary and the other 50.0 percent of his or her reduced retirement allowance to some other designated beneficiary.

Option 4. Upon his or her death, 75.0 percent of his or her reduced retirement allowance shall be continued throughout the life of, and paid to, a designated beneficiary.

Option 4A. Upon his or her death, 50.0 percent of his or her reduced retirement allowance shall be continued throughout the life of, and paid to, a designated beneficiary.

Option 4B. A reduced retirement allowance shall be continued throughout the life of the pensioner, but with the further guarantee of payment to the pensioner or his or her beneficiary for a specified number of years certain.

Option 4C. A member may elect any option with the added provision that he or she shall receive, so far as possible, the same total amount annually (considering both MHSPRS and Social Security benefits) before and after the earliest age at which he or she becomes eligible for a Social Security benefit. This option was only available to those who retired prior to July 1, 2004.

A member who elects either Option 2, Option 4, or Option 4A at retirement may revert to the normal form of benefit if the designated beneficiary predeceases the retired member or if the retired member divorces the designated beneficiary. A member who elects the normal form of benefit or Option 1 at retirement may select Option 2, Option 4, or Option 4A to provide beneficiary protection to a new spouse if married after retirement

A member who qualifies for an unreduced retirement allowance may select the Partial-Lump-Sum Option at retirement. Under this option, the retiree has the option of taking a partial-lump-sum distribution equal to either 12,24 , or 36 times the base maximum monthly benefit. With each lump-sum amount, the base maximum monthly benefit will be actuarially reduced. A member selecting this option may also select any of the regular options except Option 1, the prorated single-life annuity, and Option 4C, the Social Security leveling provision. The benefit is then calculated using the new reduced maximum benefit as a starting point in applying the appropriate option factors for the reduction.

POST-RETIREMENT ADJUSTMENTS IN ALLOWANCES
The allowances of retired members are adjusted annually by an amount equal to
a) 3.0 percent of the annual retirement allowance for each full fiscal year of retirement prior to the year in which the member reaches age $60^{*}$, plus
b) 3.0 percent compounded for each year thereafter beginning with the fiscal year in which the member turns age 60*.

A prorated portion of the annual adjustment will be paid to the member, beneficiary, or estate of any member or beneficiary who is receiving the annual adjustment in a lump sum, but whose benefits are terminated between July 1 and December 1 .

Those members who retired on or before July 1,1999 , received an ad hoc benefit increase in the amount of $\$ 3.50$ per month for each full fiscal year of retirement hrough June 30, 1999, plus $\$ 1.00$ per month for each year of credited service. The benefits were increased on July 1, 1999.
*This age will be reduced in five phases to age 55 if the actuary certifies that reducing the age will not result in the amortization period of the unfunded accrued liability exceeding 20 years.

CONTRIBUTIONS
Members contribute 7.25 percent of compensation and the employer contributes that additional amount necessary to fund the benefits outlined above on a full actuarial reserve funding basis.

## Municipal Retirement Systems: Summary of Main System <br> Provisions as Interpreted for Valuation Purposes

## Benefits

## SERVICE RETIREMENT

## Condition for Retirement

A retirement allowance is payable to any member who retires and has completed at least 20 years of creditable service, regardless of age.

Any general employee member who has attained age 70 and any fireman or policeman who has attained age 65 shall be retired forthwith.

## Amount of Allowance

The annual retirement allowance payable to a retired member is equal to:

1. 50.0 percent of average compensation; plus
2. 1.7 percent of average compensation for each year of credited service over 20 .

The aggregate amount of (1) and (2) above shall not exceed 66.67 percent (87.0 percent for Clinton) of average compensation, regardless of service.

## DISABILITY RETIREMENT

Condition for Retirement
A retirement allowance is payable to any member who is not eligible for a service retirement benefit but who becomes totally and permanently disabled, either physically or mentally, regardless of creditable service, if the disability is due to causes in the performance of duty. If the disability is not in the performance of duty, the member must have completed at least five years of creditable service to be eligible for retirement.

## Amount of Allowance

The annual disability retirement allowance payable is equal to 50.0 percent of his or her salary at the time of retirement, if the disability is due to causes in the performance of duty.

If the disability is not in the performance of duty, the allowance is equal to 2.5 percent times credited service, not in excess of 20, times his or her salary at the time of retirement for firemen and policemen, and average compensation for general employees.

## DEATH BENEFIT

Condition for Benefits
A benefit is payable upon the death of a member under the following conditions:
a) the member has retired;
b) the member is eligible to retire;
c) the death is in the line of duty; or
d) the death is not in the line of duty, but occurs after the member has five years of credited service.

The benefit is payable to the surviving spouse until remarriage and to children under age 18 , to dependent children through age 23 when full-time students, and to dependent children of any age if handicapped. For Clarksdale, Columbus, Gulfport, Hattiesburg, Jackson, McComb, Meridian, Vicksburg, and Yazoo City, benefits payable to spouses do not cease upon remarriage.

## Amount of Benefits

The annual benefit payable, under all conditions in the case of firemen and policemen and under other than condition (c) in the case of general employees is equal to 2.5 percent of average compensation for each year of credited service up to 20 and 1.7 percent of average compensation for each year over 20, with a maximum benefit of 66.67 percent ( 87.0 percent for Clinton) of average compensation.

For general employee members under condition (c), the annual benefit payable is equal to 50.0 percent of salary at the time of death.

## REFUND OF CONTRIBUTIONS

Upon a member's termination of employment for any reason before retirement, his or her accumulated contributions are refunded. Upon the death of a member who is not eligible for any other death benefit, his or her accumulated contributions are paid to his or her beneficiary.

## MINIMUM ALLOWANCES

The minimum monthly allowances paid to members from the following municipalities, for all retirement and death benefits, are:


## POST-RETIREMENT ADJUSTMENTS IN ALLOWANCES

The allowances of certain retired members are adjusted annually by a Cost-of-Living Adjustment (COLA) on the basis of the annual percentage change in each fiscal year of the Consumer Price Index.

Those adjustments are limited as follows:
Biloxi: $\quad 3.0$ percent per year (not to exceed 64.4 percent) for each full fiscal year of retirement after June 30, 2000, for all retirees and beneficiaries with the COLA being compounded beginning with the state fiscal year in which the retired member turns age 55 . This is in addition to the previously granted maximum of 3.0 percent per year (not to exceed 9.0 percent) for all members who retired on or before December 31, 1995.

Clarksdale: Maximum of 2.5 percent per year for all retirees and beneficiaries.
Clinton: Maximum of 2.5 percent per year (not to exceed 10.0 percent) for service retirements only.

Columbus: Maximum of 2.5 percent per year (not to exceed 25.0 percent) for all retirees and beneficiaries.

Greenville: Maximum of 2.5 percent per year (not to exceed 25.0 percent) for all retirees and beneficiaries.

Gulfport: Maximum of 3.0 percent per year (not to exceed 27.0 percent) for each fiscal year of retirement after June 30, 2002, for all retirees and beneficiaries. This is in addition to the previously granted COLA of 2.0 percent per year (not to exceed 6.0 percent) for those retiring before July 1, 2001.

Hattiesburg: 2.5 percent per year for all retirees and beneficiaries (not to exceed 30.0 percent).

Jackson: Maximum aggregate increase of 19.5 percent for service and disability retirements only.

Laurel: $\quad 2.0$ percent per year, compounded annually (maximum of three years) for each fiscal year of retirement after June 30, 2002, for all retirees and beneficiaries. COLA increases begin at the later of age 60 or after one full fiscal year of retirement.

McComb: Maximum of 2.5 percent per year for all retirees and beneficiaries (not to exceed 10.0 percent).

Pascagoula: Maximum of 2.5 percent per year for all retirees and beneficiaries (not to exceed 15.0 percent).

Vicksburg: 3.0 percent per year for all retirees and beneficiaries.
Yazoo City: Maximum of 2.5 percent per year (not to exceed 25.0 percent) for all retirees and beneficiaries.

Post-retirement adjustments are included in System liabilities for future increases for Biloxi, Clinton, Columbus, Greenville, Gulfport, Hattiesburg, Jackson, Laurel, McComb, Pascagoula, Vicksburg, and Yazoo City.

All Meridian retirees and beneficiaries who were receiving a retirement allowance as of June 30, 1999, were granted a 3.9 percent ad hoc benefit increase.

All Tupelo retirees and beneficiaries received an increase of 5.0 percent in allowances effective December 1, 1991. Additional 3.0 percent ad hoc benefit increases were granted to members retired at least one full fiscal year as of September 30, 1995, as of September 30, 1997, as of September 30, 1998, and as of September 30, 2000. Furthermore, a 2.0 percent ad hoc benefit increase was granted to members retired at least one full fiscal year as of September 30, 1999, and a 2.34 percent ad hoc benefit increase was granted to members retired at least one full fiscal year as of September 30, 2001. Furthermore, a 2.0 percent ad hoc benefit increase was granted to members retired at least one full fiscal year as of September 30, 2010.

All Gulfport retirees and beneficiaries who were receiving a retirement allowance as of June 30, 2002, were granted a monthly ad hoc benefit increase of $\$ 2.00$ per month for each year of service plus $\$ 2.00$ per month for each full fiscal year retired.

CONTRIBUTIONS
Funding policies established by Mississippi statutes provide the rates of employer contributions for MRS. The adequacy of these rates are checked annually by actuarial valuation. The following table provides a comparison of employer required contributions to actual contributions received for MRS:

| FISCAL YEAR 10/1-9/30 | VALUATION DATE 9/30 | ANNUAL REQUIRED CONTRIBUTION <br> (A) | ACTUAL CONTRIBUTION (B) | DIFFERENCE <br> (A-B) | PERCENTAGE CONTRIBUTED |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1996-97 | 1996 | \$20,674 | \$71,350 | \$50,676 | 345.1\% |
| 1997-98 | 1997 | 14,727 | 14,200 | (527) | 96.4 |
| 1998-99 | 1998 | 13,803 | 13,770 | (33) | 99.8 |
| 1999-00 | 1999 | 12,364 | 14,162 | 1,798 | 114.5 |
| 2000-01 | 2000 | 11,276 | 14,201 | 2,925 | 125.9 |
| 2001-02 | 2001 | 10,823 | 14,338 | 3,515 | 132.5 |
| 2002-03 | 2002 | 11,989 | 13,979 | 1,990 | 116.6 |
| 2003-04 | 2003 | 13,286 | 13,890 | 604 | 104.5 |
| 2004-05 | 2004 | 14,091 | 14,173 | 82 | 100.6 |
| 2005-06 | 2005 | 15,397 | 15,635 | 238 | 101.5 |
| 2006-07 | 2006 | 15,426 | 14,976 | (450) | 97.1 |
| 2007-08 | 2007 | 15,219 | 16,132 | 913 | 106.0 |
| 2008-09 | 2008 | 14,765 | 16,892 | 2,127 | 114.4 |
| 2009-10 | 2009 | 17,739 | 21,426 | 3,687 | 120.8 |
| 2010-11 | 2010 | 18,576 | 22,791 | 4,215 | 122.7 |

## Supplemental Legislative <br> Retirement Plan <br> Summary of Main System <br> Provisions as Interpreted for Valuation Purposes

SUMMARY OF MAIN BENEFIT AND CONTRIBUTION PROVISIONS
The following summary presents the main benefit and contribution provisions of the Plan in effect June 30, 2012, as interpreted in preparing the actuarial valuation. As used in the summary, "average compensation" means the average annual covered earnings of an employee during the four highest years of service. "Covered earnings" means gross salary not in excess of the maximum amount on which contributions were required. "Fiscal year" means a year commencing July 1 and ending June 30. "Eligibility service" means service while member is contributing to PERS plus additional service as described below. (Old: "Eligibility service" is all service in PERS, including that credited for SLRP service.) "Credited Service" means service while a contributing member of SLRP plus additional service as described below. (Old: "Creditable service" includes only SLRP service.) "Unused sick and vacation leave" means service credit is provided at no charge to members for unused sick and vacation time that has accrued at the time of retirement. "Additional service" means additional service credit may be granted for service prior to July 1, 1989, including active-duty military service.

The maximum covered earnings for employers and employees over the years are as follows:

| DATE <br> FROM | DATE <br> TO | EMPLOYER <br> RATE | MAXIMUM <br> COVERED <br> EARNINGS | MEMBER <br> RATE | MAXIMUM <br> COVERED <br> EARNINGS |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $7 / 1 / 1989$ | $6 / 30 / 1992$ | $6.33 \%$ | $\$ 75,600$ | $3.00 \%$ | $\$ 75,600$ |
| $7 / 1 / 1992$ | $6 / 30 / 2002$ | 6.33 | 125,000 | 3.00 | 125,000 |
| $7 / 1 / 2002$ | $6 / 30 / 2006$ | 6.33 | 150,000 | 3.00 | 150,000 |
| $7 / 1 / 2006$ | $6 / 30 / 2008$ | 6.65 | 150,000 | 3.00 | 150,000 |
| $7 / 1 / 2008$ | $6 / 30 / 2009$ | 6.65 | 230,000 | 3.00 | 230,000 |
| $7 / 1 / 2009$ | $12 / 31 / 2011$ | 6.65 | 245,000 | 3.00 | 245,000 |
| $1 / 1 / 2012$ | $6 / 30 / 2013$ | 7.40 | 250,000 | 3.00 | 250,000 |

## Benefits SUPERANNUATION RETIREMENT <br> Condition for Retirement

a) A retirement allowance is paid upon the request of any member who retires and has attained age 60 and completed at least eight years* of membership service under PERS. A retirement allowance may also be paid upon the completion of at least 25 years of creditable service under PERS for members hired prior to July 1, 2011, or upon the completion of 30 years of creditable service for members hired on or after July 1, 2011.
b) Any member who withdraws from service prior to his or her attainment of age 60 and who has completed at least eight years* of membership service under PERS is entitled to receive (in lieu of a refund of his or her accumulated contributions) a retirement allowance commencing at age 60 .
*Four years for those who entered PERS before July 1, 2007.

## Amount of Allowance

The annual retirement allowance payable to a member who retires under condition
(a) above is equal to:

1. A member's annuity that is the actuarial equivalent of the member's accumulated contributions at the time of his or her retirement; plus
2. An employer's annuity that, together with the member's annuity, is equal to 1.0 percent of his or her average compensation for each of the first 25 years of creditable service plus 1.25 percent for each year of creditable service over 25 years.

The minimum allowance is $\$ 60$ per year of creditable service.

## DISABILITY RETIREMENT

## Condition for Retirement

A retirement allowance is paid to a member who is totally and permanently disabled, as determined by the Board of Trustees and has accumulated eight or more years* of membership service under PERS.
*Four years for those who entered PERS before July 1, 2007.

## Amount of Allowance

For those who were active members prior to July 1, 1992, and did not elect the benefit structure outlined below, the annual disability retirement allowance payable is equal to a superannuation retirement allowance if the member has attained age 60, otherwise it is equal to a superannuation retirement allowance calculated as follows:

1. A member's annuity equal to the actuarial equivalent of his or her accumulated contributions at the time of retirement; plus
2. An employer's annuity equal to the amount that would have been payable had the member continued in service to age 60.

For those who become active members after June 30, 1992, and for those who were active members prior to July 1, 1992, who so elected, the following benefits are payable:

1. A temporary allowance equal to the greater of (a) 20.0 percent of average compensation plus 5.0 percent for each dependent child up to a maximum of two, or (b) the member's accrued allowance. This temporary allowance is paid for a period of time based on the member's age at disability, as follows:

| AGE AT <br> DISABILITY | DURATION |
| ---: | :---: |
| 60 \& earlier | to age 65 |
| 61 | to age 66 |
| 62 | to age 66 |
| 63 | to age 67 |
| 64 | to age 67 |
| 65 | to age 68 |
| 66 | to age 68 |
| 67 | to age 69 |
| 68 | to age 70 |
| $69 \&$ later | one year |

The minimum allowance is $\$ 60$ per year of service credit.
2. A deferred allowance commencing when the temporary allowance ceases equal to the greater of (a) the allowance the member would have received based on service to the termination age of the temporary allowance, but not more than 20.0 percent of average compensation, or (b) the member's accrued allowance.

The minimum allowance is $\$ 60$ per year of service credit.
Effective July 1, 2004, a temporary benefit can be paid out of a member's accumulated contribution balance while the member is awaiting a determination for eligibility for disability benefits. Future disability payments, if any, would be offset by advanced payments made from the member's accumulated contributions.

## ACCIDENTAL DISABILITY RETIREMENT

Condition for Retirement
A retirement allowance is paid to a member who is totally and permanently disabled in the performance of duty.

## Amount of Allowance

The annual accidental disability retirement allowance is equal to the allowance payable on disability retirement but not less than 25.0 percent of average compensation. There is no minimum benefit.

## ACCIDENTAL DEATH BENEFIT

Condition for Benefit
A retirement allowance is paid to a spouse and/or dependent children upon the death of an active member in the performance of duty.

## Amount of Allowance

The annual retirement allowance is equal to 25.0 percent of average compensation payable to the spouse and 12.5 percent of average compensation payable to one dependent child or 25.0 percent to two or more children until age 19 ( 23 if a full-time student). There is no minimum benefit.

## ORDINARY DEATH BENEFIT

Condition for Benefit
Upon the death of a member who has completed at least eight years* of membership service, a benefit is payable (in lieu of a refund of the member's accumulated contributions) to his or her spouse, if said spouse has been married to the member for not less than one year.
*Four years for those who entered the System before July 1, 2007.

## Amount of Allowance

The annual retirement allowance payable to the lawful spouse of a vested member who dies is equal to the greater of (i) the allowance that would have been payable had the member retired and elected Option 2, reduced by an actuarially determined factor based on the number of years the member lacked in qualifying for unreduced benefits, or (ii) a lifetime benefit equal to 20.0 percent of the deceased member's average compensation, but not less than $\$ 25$ per month.

In addition, a benefit is payable to dependent children until age 19 (23 if a full-time student). The benefit is equal to the greater of 5.0 percent of average compensation or $\$ 25$ per month for each dependent child up to three.

## RETURN OF CONTRIBUTIONS

Upon the withdrawal of a member without a retirement benefit, his or her contributions are returned to him or her, together with accumulated regular interest thereon.

Upon the death of a member before retirement, his or her contributions, together with the full accumulated regular interest thereon, are paid to his or her designated beneficiary, if any, otherwise, to his or her estate provided no other survivor benefits are payable.

Interest is currently credited to the member's account at 3.5 percent per annum.
NORMAL FORM OF BENEFIT
The normal form of benefit is an allowance payable during the life of the member with the provision that, upon his or her death, the excess of his or her total contributions at the time of retirement over the total retirement annuity paid to him or her will be paid to his or her designated beneficiary.

## OPTIONAL BENEFIT

A member upon retirement may elect to receive his or her allowance in one of the following forms, which are computed to be actuarially equivalent to the applicable retirement allowance.

Option 1. Reduced allowance with the provision that if the pensioner dies before he or she receives the value of the member's annuity as it was at the time of retirement, the balance shall be paid to his or her beneficiary.

Option 2. Upon his or her death, his or her reduced retirement allowance shall be continued throughout the life of, and paid to, his or her beneficiary.

Option 3. Upon his or her death, 50.0 percent of his or her reduced retirement allowance shall be continued throughout the life of, and paid to, a designated beneficiary and the other 50.0 percent of his or her reduced retirement allowance to some other designated beneficiary.

Option 4. Upon his or her death, 75.0 percent of his or her reduced retirement allowance shall be continued throughout the life of, and paid to, a designated beneficiary.

Option 4A. Upon his or her death, 50.0 percent of his or her reduced retirement allowance shall be continued throughout the life of, and paid to, a designated beneficiary.

Option 4B. A reduced retirement allowance shall be continued throughout the life of the pensioner, but with the further guarantee of payment to the pensioner, his or her beneficiary for a specified number of years certain.

Option 4C. A member may elect any option with the added provision that the member shall receive, so far as possible, the same total amount annually (considering both SLRP and Social Security benefits) before and after the earliest age at which the member becomes eligible for a Social Security benefit. This option was only available to those who retired prior to July 1, 2004.

A member who elects Option 2, Option 4, or Option 4A at retirement may revert to the normal form of benefit if the designated beneficiary predeceases the retired member or if the member divorces the designated beneficiary.

A member who elects the normal form of benefit or Option 1 at retirement may select Option 2, Option 4, or Option 4A to provide beneficiary protection to a new spouse if married at retirement.

A member who has at least 28 years of creditable service* under PERS may select a Partial-Lump-Sum Option at retirement. Under this option, the retiree has the option of taking a partial-lump-sum distribution equal to either 12,24 , or 36 times the base maximum monthly benefit. With each lump-sum amount, the base maximum monthly benefit will be actuarially reduced. A member selecting the Partial-Lump-Sum Option may also select any of the regular options except Option 1, the prorated single-life annuity, and Option 4C, the Social Security leveling provision. The benefit is then calculated using the new reduced maximum benefit as a starting point in applying the appropriate option factors for the reduction.
*Or at least age 63 with four years of membership service for those who entered PERS before July 1, 2007.

POST-RETIREMENT ADJUSTMENTS IN ALLOWANCES
The allowances of retired members are adjusted annually by an amount equal to
a) 3.0 percent of the annual retirement allowance for each full fiscal year of retirement prior to the year in which the member reaches age 55 , plus
b) 3.0 percent compounded for each year thereafter beginning with the fiscal year in which the member turns age 55.

A prorated portion of the annual adjustment will be paid to the member, beneficiary, or estate of any member or beneficiary who is receiving the annual adjustment in a lump sum, but whose benefits are terminated between July 1 and December 1 .

## CONTRIBUTIONS

Members currently contribute 3.0 percent of covered earnings. The employer contributes that additional amount necessary to fund the benefits outlined above on a full actuarial reserve funding basis.

Changes in Plan Provisions

The Mississippi Legislature ended its 2012 legislative session with no changes to the Mississippi Code of 1972 plan provisions of the Public Employees' Retirement System of Mississippi.

SOLVENCY TESTS
[in thousands]

|  | ACTUAR | AL ACCRUED LIABILITIE | S FOR: |  |
| :---: | :---: | :---: | :---: | :---: |
| VALUATION DATE | (1) <br> ACCUMULATED EMPLOYEE CONTRIBUTIONS INCLUDING ALLOCATED INVESTMENT EARNINGS | (2) <br> RETIREES AND BENEFICIARIES CURRENTLY RECEIVING BENEFITS | (3) <br> ACTIVE AND INACTIVE MEMBERS EMPLOYER-FINANCED PORTION | NET ASSETS AVAILABLE FOR BENEFITS |
| Public Employees' Retirement System of Mississippi |  |  |  |  |
| 6/30/03 | \$3,400,765 | \$9,758,473 | \$8,326,600 | \$16,979,457 |
| 6/30/04 | 3,571,428 | 10,657,920 | 8,617,912 | 17,103,285 |
| 6/30/05 | 3,819,498 | 11,260,642 | 8,646,958 | 17,180,705 |
| 6/30/06 | 3,955,066 | 12,228,330 | 8,745,068 | 18,321,063 |
| 6/30/07 | 3,788,781 | 13,342,531 | 9,731,324 | 19,791,564 |
| 6/30/08 | 3,991,804 | 14,306,528 | 10,236,362 | 20,814,720 |
| 6/30/09 | 4,235,466 | 15,665,712 | 10,693,368 | 20,597,581 |
| 6/30/10 | 4,266,621 | 16,763,455 | 10,369,912 | 20,143,426 |
| 6/30/11 | 4,356,556 | 18,001,718 | 10,296,191 | 20,315,165 |
| 6/30/12 | 4,463,252 | 19,547,367 | 10,482,254 | 19,992,797 |
| Mississippi Highway Safety Patrol Retirement System |  |  |  |  |
| 6/30/03 | \$17,604 | \$192,662 | \$91,868 | \$259,746 |
| 6/30/04 | 18,352 | 201,573 | 96,645 | 256,481 |
| 6/30/05 | 18,972 | 214,844 | 101,301 | 253,477 |
| 6/30/06 | 19,906 | 222,281 | 108,451 | 265,637 |
| 6/30/07 | 20,870 | 231,771 | 118,592 | 284,626 |
| 6/30/08 | 21,371 | 242,265 | 117,942 | 298,630 |
| 6/30/09 | 20,136 | 273,774 | 100,720 | 292,322 |
| 6/30/10 | 20,658 | 284,106 | 106,513 | 281,088 |
| 6/30/11 | 20,621 | 292,234 | 101,577 | 278,265 |
| 6/30/12 | 20,760 | 300,753 | 99,902 | 268,424 |

SOLVENCY TESTS (CONTINUED)
[in thousands]

PORTIONS OF ACCRUED
LIABILITIES COVERED BY ASSETS

VALUATION DATE
Public Employees' Retirement
Public Employees' Retirement
System of Mississippi
(1)
(2)
(3)

| $6 / 30 / 03$ | $100.0 \%$ | $100.0 \%$ | $45.9 \%$ |
| :---: | :---: | :---: | :---: |
| $6 / 30 / 04$ | 100.0 | 100.0 | 33.3 |
| $6 / 30 / 05$ | 100.0 | 100.0 | 24.3 |
| $6 / 30 / 06$ | 100.0 | 100.0 | 24.4 |
| $6 / 30 / 07$ | 100.0 | 100.0 | 27.3 |
| $6 / 30 / 08$ | 100.0 | 100.0 | 24.6 |
| $6 / 30 / 09$ | 100.0 | 100.0 | 6.5 |
| $6 / 30 / 10$ | 100.0 | 94.7 | - |
| $6 / 30 / 11$ | 100.0 | 88.7 | - |
| $6 / 30 / 12$ | 100.0 | 79.4 | - |

Mississippi Highway Safety Patrol Retirement System

| $6 / 30 / 03$ | $100.0 \%$ | $100.0 \%$ | $53.9 \%$ |
| :---: | :---: | :---: | :---: |
| $6 / 30 / 04$ | 100.0 | 100.0 | 37.8 |
| $6 / 30 / 05$ | 100.0 | 100.0 | 19.4 |
| $6 / 30 / 06$ | 100.0 | 100.0 | 21.6 |
| $6 / 30 / 07$ | 100.0 | 100.0 | 27.0 |
| $6 / 30 / 08$ | 100.0 | 100.0 | 29.7 |
| $6 / 30 / 09$ | 100.0 | 99.4 | - |
| $6 / 30 / 10$ | 100.0 | 91.7 | - |
| $6 / 30 / 11$ | 100.0 | 88.2 | - |
| $6 / 30 / 12$ | 100.0 | 82.3 | - |

SOLVENCY TESTS (CONTINUED)
[in thousands]

|  | ACTUARIAL ACCRUED LIABILITIES FOR: |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $(1)$ |  |  |  |
|  | ACCUMULATED | $(2)$ | $(3)$ |  |
|  | EMPLOYEE | RETIREES AND | ACTIVE AND |  |
| CONTRIBUTIONS | BENEFICIARIES | INACTIVE MEMBERS | NET ASSETS |  |
| VALUATION DATE | INCLUDING ALLOCATED | CURRENTLY | EMPLOYER-FINANCED | AVAILABLE FOR |
|  | INVESTMENT EARNINGS | RECEIVING BENEFITS | PORTION | BENEFITS |


| Municipal Retirement Systems |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 9/30/02 | \$7,806 | \$349,140 | \$36,064 | \$259,587 |
| 9/30/03 | 6,266 | 365,063 | 28,293 | 250,640 |
| 9/30/04 | 5,190 | 365,243 | 22,628 | 235,198 |
| 9/30/05 | 4,138 | 367,345 | 15,903 | 217,140 |
| 9/30/06 | 3,353 | 368,128 | 11,874 | 213,553 |
| 9/30/07 | 3,015 | 366,139 | 10,430 | 213,432 |
| 9/30/08 | 2,688 | 356,413 | 9,030 | 208,479 |
| 9/30/09 | 2,522 | 369,470 | 9,044 | 191,179 |
| 9/30/10 | 2,295 | 362,444 | 8,158 | 175,988 |
| 9/30/11 | 2,256 | 353,609 | 7,739 | 167,604 |
| Supplemental Legislative Retirement Plan |  |  |  |  |
| 6/30/03 | \$2,121 | \$4,567 | \$5,532 | \$10,196 |
| 6/30/04 | 2,030 | 6,395 | 4,509 | 10,323 |
| 6/30/05 | 2,076 | 6,813 | 4,513 | 10,634 |
| 6/30/06 | 2,061 | 7,230 | 4,773 | 11,620 |
| 6/30/07 | 2,301 | 7,378 | 5,375 | 12,722 |
| 6/30/08 | 2,102 | 8,295 | 5,218 | 13,412 |
| 6/30/09 | 2,327 | 8,756 | 5,452 | 13,386 |
| 6/30/10 | 2,509 | 8,777 | 5,795 | 13,241 |
| 6/30/11 | 2,642 | 8,734 | 7,229 | 13,606 |
| 6/30/12 | 2,105 | 11,428 | 6,004 | 13,268 |

SOLVENCY TESTS (CONTINUED)
[in thousands]

PORTIONS OF ACCRUED LIABILITIES COVERED BY ASSETS
VALUATION DATE
(1)
(2)
(3)

Municipal Retirement Systems


Supplemental Legislative Retirement Plan

| $6 / 30 / 03$ | $100.0 \%$ | $100.0 \%$ | $63.4 \%$ |
| :--- | :--- | :--- | :--- |
| $6 / 30 / 04$ | 100.0 | 100.0 | 42.1 |
| $6 / 30 / 05$ | 100.0 | 100.0 | 38.7 |
| $6 / 30 / 06$ | 100.0 | 100.0 | 48.8 |
| $6 / 30 / 07$ | 100.0 | 100.0 | 56.6 |
| $6 / 30 / 08$ | 100.0 | 100.0 | 57.8 |
| $6 / 30 / 09$ | 100.0 | 100.0 | 42.2 |
| $6 / 30 / 10$ | 100.0 | 100.0 | 33.7 |
| $6 / 30 / 11$ | 100.0 | 100.0 | 30.8 |
| $6 / 30 / 12$ | 100.0 | 97.7 | - |

## SCHEDULE OF ACTIVE MEMBER VALUATION DATA

|  |  |  | ACTIVE | MBERS |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| VALUATION DATE | NUMBER OF EMPLOYERS | NUMBER OF EMPLOYEES | ANNUAL PAYROLL | ANNUAL AVERAGE PAY | INCREASE IN AVERAGE PAY |
| Public Employees' Retirement System of Mississippi |  |  |  |  |  |
| 6/30/03 | 871 | 154,872 | \$4,431,599,526 | \$28,615 | 3.2\% |
| 6/30/04 | 880 | 156,353 | 4,617,272,973 | 29,531 | 3.2 |
| 6/30/05 | 861 | 157,101 | 4,786,280,398 | 30,466 | 3.2 |
| 6/30/06 | 861 | 158,091 | 4,971,973,661 | 31,450 | 3.2 |
| 6/30/07 | 861 | 162,804 | 5,196,294,899 | 31,917 | 1.5 |
| 6/30/08 | 863 | 165,733 | 5,544,704,937 | 33,456 | 4.8 |
| 6/30/09 | 866 | 167,122 | 5,831,863,534 | 34,896 | 4.3 |
| 6/30/10 | 868 | 164,896 | $5,763,556,195$ | 34,953 | 0.2 |
| 6/30/11 | 872 | 161,676 | 5,684,624,214 | 35,161 | 0.6 |
| 6/30/12 | 870 | 162,311 | 5,857,789,376 | 36,090 | 2.6 |
| Mississippi Highway Safety Patrol Retirement System |  |  |  |  |  |
| 6/30/03 | 1 | 543 | \$21,051,942 | \$38,770 | 6.6\% |
| 6/30/04 | 1 | 559 | 22,683,404 | 40,579 | 4.7 |
| 6/30/05 | 1 | 540 | 22,342,918 | 41,376 | 2.0 |
| 6/30/06 | 1 | 564 | 24,499,296 | 43,438 | 5.0 |
| 6/30/07 | 1 | 591 | 27,037,063 | 45,748 | 5.3 |
| 6/30/08 | 1 | 626 | 29,597,374 | 47,280 | 3.3 |
| 6/30/09 | 1 | 570 | 26,389,909 | 46,298 | (2.1) |
| 6/30/10 | 1 | 542 | 26,353,400 | 48,623 | 5.0 |
| 6/30/11 | 1 | 515 | 24,872,085 | 48,295 | (0.7) |
| 6/30/12 | 1 | 547 | 25,670,030 | 46,929 | (2.8) |


|  |  |  | ACTIV | MBERS |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| VALUATION DATE | NUMBER OF EMPLOYERS | NUMBER OF EMPLOYEES | ANNUAL <br> PAYROLL | ANNUAL AVERAGE PAY | INCREASE IN AVERAGE PAY |
| Municipal Retirement Systems |  |  |  |  |  |
| 9/30/02 | 17 | 145 | \$5,980,337 | \$41,244 | 2.1\% |
| 9/30/03 | 17 | 110 | 4,584,061 | 41,673 | 1.0 |
| 9/30/04 | 17 | 84 | 3,674,877 | 43,749 | 5.0 |
| 9/30/05 | 17 | 65 | 2,909,190 | 44,757 | 2.3 |
| 9/30/06 | 17 | 49 | 2,223,090 | 45,369 | 1.4 |
| 9/30/07 | 17 | 42 | 1,952,642 | 46,491 | 2.5 |
| 9/30/08 | 17 | 35 | 1,712,743 | 48,936 | 5.3 |
| 9/30/09 | 17 | 31 | 1,608,396 | 51,884 | 6.0 |
| 9/30/10 | 17 | 27 | 1,424,636 | 52,764 | 1.7 |
| 9/30/11 | 17 | 25 | 1,356,858 | 54,274 | 2.9 |
| Supplemental Legislative Retirement Plan |  |  |  |  |  |
| 6/30/03 | 5 | 175 | \$6,288,514 | \$35,934 | 5.0\% |
| 6/30/04 | 5 | 175 | 5,794,099 | 33,109 | (7.9) |
| 6/30/05 | 5 | 175 | 6,530,045 | 37,315 | 12.7 |
| 6/30/06 | 5 | 173 | 6,353,542 | 36,726 | (1.6) |
| 6/30/07 | 5 | 175 | 6,554,229 | 37,453 | 2.0 |
| 6/30/08 | 5 | 175 | 6,752,960 | 38,588 | 3.0 |
| 6/30/09 | 5 | 174 | 6,803,339 | 39,100 | 1.3 |
| 6/30/10 | 5 | 175 | 6,605,037 | 37,743 | (3.6) |
| 6/30/11 | 5 | 174 | 6,809,770 | 39,137 | 3.7 |
| 6/30/12 | 5 | 175 | 6,871,757 | 39,267 | 0.3 |

SCHEDULE OF RETIRANTS ADDED TO AND REMOVED FROM ROLLS - LAST 6 FISCAL YEARS -

| FISCAL YEAR ENDED* | PLAN | ADDED |  | REMOVED |  | NCREASE DUE TO ANNUAL COLA |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | NUMBER | ANNUAL ALLOWANCES | NUMBER | ANNUAL ALLOWANCES |  |
| JUNE 30, 2007 | PERS | 6,218 | \$97,985,045 | $(2,219)$ | \$(31,700,099) | \$30,889,317 |
|  | MHSPRS | 29 | 826,877 | (16) | $(390,154)$ | 464,023 |
|  | MRS | 46 | 806,363 | (71) | $(684,252)$ | 458,053 |
| JUNE 30, 2008 | SLRP | 6 | 17,973 | (2) | $(6,908)$ | 17,537 |
|  | PERS | 5,335 | 93,694,780 | $(2,551)$ | $(35,621,113)$ | 33,449,790 |
|  | MHSPRS | 42 | 1,341,416 | (29) | $(739,677)$ | 474,361 |
|  | MRS | 42 | 744,852 | (75) | $(998,616)$ | 429,844 |
| JUNE 30, 2009 | SLRP | 20 | 107,569 | (8) | $(29,585)$ | 19,012 |
|  | PERS | 4,965 | 87,403,913 | $(2,362)$ | $(33,633,667)$ | 36,261,313 |
|  | MHSPRS | 62 | 2,263,514 | (21) | $(556,046)$ | 487,986 |
|  | MRS | 39 | 538,293 | (83) | $(894,867)$ | 257,171 |
| JUNE 30, 2010 | SLRP | 7 | 33,316 | (4) | $(26,188)$ | 19,288 |
|  | PERS | 5,747 | 103,950,841 | $(2,722)$ | $(40,358,965)$ | 39,131,221 |
|  | MHSPRS | 22 | 806,092 | (18) | $(450,658)$ | 550,146 |
|  | MRS | 37 | 549,390 | (70) | $(873,282)$ | 324,773 |
| JUNE 30, 2011 | SLRP | 6 | 36,400 | (5) | $(46,742)$ | 21,781 |
|  | PERS | 6,566 | 127,035,815 | $(2,619)$ | $(39,518,227)$ | 41,632,866 |
|  | MHSPRS | 32 | 1,089,231 | (24) | $(609,133)$ | 595,921 |
|  | MRS | 44 | 676,051 | (78) | $(1,000,144)$ | 285,981 |
| JUNE 30, 2012 | SLRP | 7 | 30,133 | (2) | $(22,703)$ | 23,836 |
|  | PERS | 6,569 | 125,378,708 | $(2,855)$ | $(45,787,704)$ | 45,202,325 |
|  | MHSPRS | 31 | 1,157,796 | (22) | $(574,614)$ | 609,050 |
|  | MRS | 46 | 792,381 | (86) | $(1,233,853)$ | 187,499 |
|  | SLRP | 33 | 230,576 | (7) | $(31,217)$ | 23,377 |

*Information for MRS is as of September 30.

SCHEDULE OF RETIRANTS ADDED TO AND REMOVED FROM ROLLS (CONTINUED) - LAST 6 FISCAL YEARS -


ANALYSIS OF FINANCIAL EXPERIENCE
GAINS AND LOSSES IN ACCRUED LIABILITIES RESULTING FROM DIFFERENCES BETWEEN ASSUMED EXPERIENCE AND ACTUAL EXPERIENCE

- FOR THE YEAR ENDED JUNE 30, 2012 -
[in thousands]

GAIN (LOSS) FOR YEAR

| TYPE OF ACTIVITY | PERS | MHSPRS | MRS* | SLRP |
| :---: | :---: | :---: | :---: | :---: |
| AGE \& SERVICE RETIREMENTS: IF MEMBERS RETIRE AT OLDER AGES, THERE IS A GAIN. IF YOUNGER AGES, A LOSS. | \$(229,700.0) | \$738.2 | \$403.8 | \$214.8 |
| DISABILITY RETIREMENTS: IF DISABILITY CLAIMS ARE LESS THAN ASSUMED, THERE IS A GAIN. IF MORE CLAIMS, A LOSS. | $(26,000.0)$ | (96.7) | - | 12.6 |
| DEATH-IN-SERVICE BENEFITS: IF SURVIVOR CLAIMS ARE LESS THAN ASSUMED, THERE IS A GAIN. IF MORE CLAIMS, A LOSS. | 300.0 | 34.0 | 10.1 | 10.9 |
| WITHDRAWAL FROM EMPLOYMENT: <br> IF MORE LIABILITIES ARE RELEASED BY WITHDRAWALS THAN ASSUMED, THERE IS A GAIN. IF SMALLER RELEASES, A LOSS. | 13,000.0 | 164.7 | - | 402.0 |
| PAY INCREASES: IF THERE ARE SMALLER PAY INCREASES THAN ASSUMED, THERE IS A GAIN. IF GREATER INCREASES, A LOSS. | 102,300.0 | 2,367.5 | 329.8 | 234.3 |
| NEW MEMBERS: ADDITIONAL UNFUNDED ACCRUED LIABILITY WILL PRODUCE A LOSS. | $(68,500.0)$ | $(1,140.8)$ | - | (314.3) |
| INVESTMENT INCOME: IF THERE IS GREATER INVESTMENT INCOME THAN ASSUMED, THERE IS A GAIN. IF LESS INCOME, A LOSS. | (1,280,200.0) | $(18,623.8)$ | (8,768.7) | (806.0) |
| DEATH AFTER RETIREMENT: IF RETIRANTS LIVE LONGER THAN ASSUMED, THERE IS A LOSS. IF NOT AS LONG, A GAIN. | (17,700.0) | 103.6 | 1,543.9 | (327.2) |
| OTHER: MISCELLANEOUS GAINS AND LOSSES RESULTING FROM CHANGES IN VALUATION SOFTWARE, DATA ADJUSTMENTS, TIMING OF FINANCIAL TRANSACTIONS, ETC. | $(365,100.0)$ | 2,136.2 | (68.3) | (626.3) |
| GAIN (OR LOSS) DURING YEAR FROM FINANCIAL EXPERIENCE | (1,871,600.0) | $(14,317.1)$ | $(6,549.4)$ | $(1,199.2)$ |
| NON-RECURRING ITEMS: ADJUSTMENTS FOR PLAN AMENDMENTS, ASSUMPTION CHANGES, OR METHOD CHANGES. | - | - | 97.0 | - |
| COMPOSITE GAIN (OR LOSS) DURING YEAR | \$(1,871,600.0) | \$(14,317.1) | \$(6,452.4) | \$(1,199.2) |

## PERS Consistently Seeks Responsible Investments

## OVER THELAST 30 YEARS, 52\% OF REVENUE USED TO FUND BENEFITS HASCOME-RROM INVESTMENT INCOME



| Statistical Report | The objectives of the statistical section are to provide additional historical perspective, context, and relevant details to assist readers in using the information in the financial statements, notes to financial statements, and required supplementary information in order to understand and assess the System's economic condition. |
| :---: | :---: |
| Financial Trends | The schedule of Changes in Net Assets presented on pages 132 through 135 contain historical information related to the System's revenues, expenses, changes in net assets, and net assets available for benefits, as well as a history of employer and member contribution rates over a 10 -year period. The Board of Trustees adopted an employer contribution rate increase from 12.0 percent to 12.93 percent for PERS, from 30.3 percent to 35.21 percent for MHSPRS, and from 6.65 percent to 7.4 percent for SLRP that were to be implemented July 1, 2011. However, increases were postponed until January 1,2012 , in response to the Legislative leadership requesting a delay due to the current state of the economy. To help address the funded status of plans within the System, the Board of Trustees approved increases in employer contribution rates to 14.26 percent for PERS and 37.0 percent for MHSPRS effective July 1, 2012. The SLRP employer contribution rate remained at 7.4 percent. Of note, the PERS member contribution rate was increased by the Mississippi Legislature from 7.25 percent to 9.0 percent effective July 1, 2010. A detailed discussion of changes in employer contribution rates and funding can be found on page 25 of Management's Discussion and Analysis and on pages 60 and 61 , Notes 1 and 2 to the Required Supplementary Information. <br> Changes were enacted in the PERS retirement benefit structure, applicable to those hired on or after July 1, 2011, to better position the System for long-term sustainability. Modifications include retirement eligibility from 25 years of service at any age to 30 years of service at any age, as well as Partial-Lump-Sum Option eligibility from 28 years of service at any age to 33 years of service at any age. Additional changes were adopted for new hires affecting the retirement formula, Cost-of-Living Adjustment (COLA) calculation and spouse survivor retirement benefits. A more detailed description of plan benefits can be found in Note 1 on pages 34 through 38 and in the Summary of Main System Provisions for each plan beginning on page 102. |
| Demographic and Economic Information | The schedule of Total Active Members by Attained Age and Years of Service, shown on pages 148 through 150, provides relevant details about the composition of the System's membership, including concentration of members within various age groups and selected group averages for each pension plan. Page 152 contains comparative information regarding the 10 largest participating employers of the multiple-employer plans, which are the Public Employees' Retirement System and Municipal Retirement Systems. The schedule of Benefit Payments by County on page 151 offers information on the amount of economic contribution attributed to benefit payments by county within the State of Mississippi. |
| Operating Information | Pages 136 through 139 illustrate the number of participants and total benefit payments by type for each retirement plan administered by the System. Additional details regarding monthly benefit distribution by option can be found on pages 144 through 147. The schedule of Average Benefit Payments presents average monthly benefits, average final salary, and the number of active retirees by years of credited service by plan on pages 140 through 142. Comparative supplemental information on employer and member groups covered by the Public Employees' Retirement System plan is offered on page 143, with details of participating employers covered by separate agreements on pages 153 through 155. |

Statistical data is provided from the System's internal resources. The System had no outstanding debt as of June 30, 2012.

CHANGE IN NET ASSETS

- LAST TEN FISCAL YEARS -
[in thousands]

|  |  | MEMBER CON | RIBUTIONS | EMPLOYER CON | TRIBUTIONS |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FISCAL YEAR <br> Public Employees' <br> Retirement System of Mississippi | BEGINNING <br> NET ASSETS | AMOUNT | PERCENT* | AMOUNT | PERCENT* | NET <br> INVESTMENT INCOME (LOSS) | OTHER REVENUES \& TRANSFERS |
| 2003 | \$13,800,716 | \$333,297 | 7.25\% | \$448,263 | 9.75\% | \$452,183 | \$607 |
| 2004 | 14,012,183 | 358,241 | 7.25 | 459,567 | 9.75 | 2,003,253 | 596 |
| 2005 | 15,723,660 | 365,355 | 7.25 | 492,434 | 9.75 | 1,507,079 | 530 |
| 2006 | 16,890,535 | 375,612 | 7.25 | 557,831 | 10.75 | 1,777,853 | 580 |
| 2007 | 18,321,063 | 392,268 | 7.25 | 610,888 | 11.30 | 3,402,562 | 604 |
| 2008 | 21,353,016 | 417,119 | 7.25 | 683,189 | 11.85 | $(1,725,434)$ | 637 |
| 2009 | 19,251,069 | 434,081 | 7.25 | 713,569 | 11.85 | $(3,717,016)$ | 657 |
| 2010 | 15,134,487 | 439,397 | 7.25 | 731,544 | 12.00 | 2,148,749 | 610 |
| 2011 | 16,788,214 | 533,369 | 9.00 | 723,836 | 12.00 | 4,167,042 | 639 |
| 2012 | 20,377,236 | 545,587 | 9.00 | 768,914 | 12.93 | 59,595 | 664 |
| Mississippi Highway Safety Patrol Retirement System |  |  |  |  |  |  |  |
| 2003 | \$215,076 | \$1,398 | 6.50\% | \$5,627 | 26.16\% | \$6,934 | \$ - |
| 2004 | 212,657 | 1,508 | 6.50 | 6,528 | 28.16 | 30,464 | - |
| 2005 | 234,345 | 1,462 | 6.50 | 6,335 | 28.16 | 21,897 | 2,388 |
| 2006 | 248,209 | 1,589 | 6.50 | 6,884 | 28.16 | 25,934 | 2,628 |
| 2007 | 265,637 | 1,778 | 6.50 | 8,275 | 30.30 | 49,104 | 2,341 |
| 2008 | 307,152 | 1,985 | 6.50 | 9,253 | 30.30 | $(24,886)$ | 3,156 |
| 2009 | 276,154 | 2,166 | 7.25 | 9,066 | 30.30 | $(52,869)$ | 3,208 |
| 2010 | 214,374 | 2,043 | 7.25 | 8,613 | 30.30 | 29,942 | 3,985 |
| 2011 | 232,873 | 1,948 | 7.25 | 8,067 | 30.30 | 57,090 | 3,427 |
| 2012 | 277,563 | 1,946 | 7.25 | 8,798 | 35.21 | 805 | 3,246 |

*Percentage of annual covered payroll. The rates shown for 2012 for PERS, MHSPRS, and SLRP were effective as of January 1, 2012. For 2012, the rates prior to January 1, 2012, were $12.00 \%, 30.30 \%$, and $6.65 \%$, respectively.

CHANGE IN NET ASSETS (CONTINUED)

- LAST TEN FISCAL YEARS -
[in thousands]

| FISCAL YEAR <br> Public Employees' <br> Retirement System of Mississippi | TOTAL ADDITIONS (DELETIONS) | RETIREMENT ANNUITIES | REFUNDS | EXPENSES \& DEPRECIATION | TRANSFERS | TOTAL DEDUCTIONS | NET CHANGE IN ASSETS | ENDING NET ASSETS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2003 | \$1,234,350 | \$951,158 | \$61,923 | \$9,802 | \$- | \$1,022,883 | \$211,467 | \$14,012,183 |
| 2004 | 2,821,657 | 1,033,205 | 67,245 | 9,730 | - | 1,110,180 | 1,711,477 | 15,723,660 |
| 2005 | 2,365,398 | 1,116,405 | 71,064 | 11,054 | - | 1,198,523 | 1,166,875 | 16,890,535 |
| 2006 | 2,711,876 | 1,198,230 | 73,344 | 9,774 | - | 1,281,348 | 1,430,528 | 18,321,063 |
| 2007 | 4,406,322 | 1,291,456 | 72,572 | 10,341 | - | 1,374,369 | 3,031,953 | 21,353,016 |
| 2008 | $(624,489)$ | 1,393,175 | 72,750 | 11,533 | - | 1,477,458 | $(2,101,947)$ | 19,251,069 |
| 2009 | $(2,568,709)$ | 1,465,500 | 70,050 | 12,323 | - | 1,547,873 | $(4,116,582)$ | 15,134,487 |
| 2010 | 3,320,300 | 1,580,808 | 73,580 | 12,185 | - | 1,666,573 | 1,653,727 | 16,788,214 |
| 2011 | 5,424,886 | 1,734,475 | 88,343 | 13,046 | - | 1,835,864 | 3,589,022 | 20,377,236 |
| 2012 | 1,374,760 | 1,862,826 | 93,379 | 14,404 | - | 1,970,609 | $(595,849)$ | 19,781,387 |
| Mississippi Highway Safety Patrol Retirement System |  |  |  |  |  |  |  |  |
| 2003 | \$13,959 | \$16,164 | \$101 | \$- | \$113 | \$16,378 | \$ 2,419 ) | \$212,657 |
| 2004 | 38,500 | 16,605 | 76 | - | 131 | 16,812 | 21,688 | 234,345 |
| 2005 | 32,082 | 18,005 | 86 | - | 127 | 18,218 | 13,864 | 248,209 |
| 2006 | 37,035 | 19,359 | 110 | - | 138 | 19,607 | 17,428 | 265,637 |
| 2007 | 61,498 | 19,774 | 44 | - | 165 | 19,983 | 41,515 | 307,152 |
| 2008 | $(10,492)$ | 20,295 | 26 | - | 185 | 20,506 | $(30,998)$ | 276,154 |
| 2009 | $(38,429)$ | 23,098 | 72 | - | 181 | 23,351 | $(61,780)$ | 214,374 |
| 2010 | 44,583 | 25,847 | 65 | - | 172 | 26,084 | 18,499 | 232,873 |
| 2011 | 70,532 | 25,620 | 60 | - | 162 | 25,842 | 44,690 | 277,563 |
| 2012 | 14,795 | 26,926 | 24 | - | 176 | 27,126 | $(12,331)$ | 265,232 |

CHANGE IN NET ASSETS (CONTINUED)

- LAST TEN FISCAL YEARS -
[in thousands]

*Percentage of annual covered payroll. The rates shown for 2012 for PERS, MHSPRS, and SLRP were effective as of January 1, 2012. For 2012, the rates prior to January 1, 2012, were 12.00 percent, 30.30 percent, and 6.65 percent, respectively.
**Employee and employer rates vary among the 19 systems that comprise the Municipal Retirement Systems.

CHANGE IN NET ASSETS (CONTINUED)

- LAST TEN FISCAL YEARS -
[in thousands]

TOTAL
ADDITIONS RETIREMENT EXPENSES \& TOTAL NET CHANGE ENDING NET FISCAL YEAR (DELETIONS) ANNUITIES

REFUNDS DEPRECIATION DEPRECIATION TRANSFERS DEDUCTIONS IN ASSETS ASSETS

Municipal Retirement Systems

| 2003 | $\$ 21,727$ | $\$ 31,979$ | $\$ 39$ | $\$-$ | $\$ 389$ | $\$ 32,407$ | $\$(10,680)$ | $\$ 210,436$ |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 2004 | 42,945 | 33,342 | - | - | 389 | 33,731 | 9,214 | 219,650 |
| 2005 | 34,086 | 34,296 | 11 | - | 395 | 34,702 | $(616)$ | 219,034 |
| 2006 | 37,439 | 35,165 | 1 | - | 430 | 35,596 | 1,843 | 220,877 |
| 2007 | 53,522 | 35,544 | 1 | - | 420 | 35,965 | 17,557 | 238,434 |
| 2008 | $(1,970)$ | 35,870 | - | - | 439 | 36,309 | $(38,279)$ | 200,155 |
| 2009 | $(18,361)$ | 35,848 | 12 | - | 467 | 36,327 | $(54,688)$ | 145,467 |
| 2010 | 40,934 | 35,766 | 3 | - | 429 | 36,198 | 4,736 | 150,203 |
| 2011 | 58,349 | 35,609 | 35 | - | 457 | 36,101 | 22,248 | 172,451 |
| 2012 | 24,057 | 35,348 | 3 | - | 469 | 35,820 | $(11,763)$ | 160,688 |

Supplemental Legislative Retirement Plan

| 2003 | \$892 | \$388 | \$- | \$- | \$8 | \$396 | \$496 | \$8,498 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2004 | 1,794 | 696 | 8 | - | 7 | 711 | 1,083 | 9,581 |
| 2005 | 1,546 | 599 | 2 | - | 8 | 609 | 937 | 10,518 |
| 2006 | 1,743 | 632 | 1 | - | 8 | 641 | 1,102 | 11,620 |
| 2007 | 2,836 | 699 | - | - | 9 | 708 | 2,128 | 13,748 |
| 2008 | (468) | 845 | 14 | - | 9 | 868 | $(1,336)$ | 12,412 |
| 2009 | $(1,772)$ | 790 | 9 | - | 9 | 808 | $(2,580)$ | 9,832 |
| 2010 | 2,080 | 804 | 20 | - | 9 | 833 | 1,247 | 11,079 |
| 2011 | 3,495 | 828 | - | - | 9 | 837 | 2,658 | 13,737 |
| 2012 | 735 | 1,268 | 25 | - | 10 | 1,303 | (568) | 13,169 |

BENEFIT AND REFUND PAYMENTS BY TYPE:
PUBLIC EMPLOYEES' RETIREMENT SYSTEM OF MISSISSIPPI

- LAST TEN FISCAL YEARS -

| FISCAL YEAR | SERVICE | DISABILITY | SURVIVOR | TOTAL | REFUNDS |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Number of Participants by Type of Benefits |  |  |  |  |  |
| 2003 | 47,798 | 3,966 | 7,683 | 59,447 | 24,882 |
| 2004 | 50,196 | 4,232 | 7,979 | 62,407 | 16,133 |
| 2005 | 52,370 | 4,468 | 7,101 | 63,939 | 22,102 |
| 2006 | 54,736 | 4,659 | 7,362 | 66,757 | 19,202 |
| 2007 | 57,019 | 4,903 | 8,834 | 70,756 | 18,207 |
| 2008 | 59,406 | 5,075 | 9,059 | 73,540 | 16,105 |
| 2009 | 61,466 | 5,257 | 9,420 | 76,143 | 15,654 |
| 2010 | 64,049 | 5,399 | 9,720 | 79,168 | 14,433 |
| 2011 | 67,486 | 5,676 | 9,953 | 83,115 | 16,595 |
| 2012 | 70,843 | 5,845 | 10,141 | 86,829 | 18,053 |
| Total Payments by Type of Benefit [in thousands] |  |  |  |  |  |
| 2003 | \$869,204 | \$58,055 | \$23,899 | \$951,158 | \$61,923 |
| 2004 | 944,037 | 63,701 | 25,467 | 1,033,205 | 67,245 |
| 2005 | 1,019,133 | 70,076 | 27,196 | 1,116,405 | 71,064 |
| 2006 | 1,093,235 | 76,167 | 28,828 | 1,198,230 | 73,344 |
| 2007 | 1,178,654 | 82,168 | 30,634 | 1,291,456 | 72,572 |
| 2008 | 1,272,211 | 88,937 | 32,027 | 1,393,175 | 72,750 |
| 2009 | 1,339,209 | 92,925 | 33,366 | 1,465,500 | 70,050 |
| 2010 | 1,444,987 | 99,920 | 35,901 | 1,580,808 | 73,580 |
| 2011 | 1,588,369 | 107,657 | 38,449 | 1,734,475 | 88,343 |
| 2012 | 1,707,922 | 115,042 | 39,862 | 1,862,826 | 93,379 |

BENEFIT AND REFUND PAYMENTS BY TYPE:
MISSISSIPPI HIGHWAY SAFETY PATROL RETIREMENT SYSTEM

- LAST TEN FISCAL YEARS -

| FISCAL YEAR | SERVICE | DISABILITY | SURVIVOR | TOTAL | REFUNDS |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Number of Participants by Type of Benefits |  |  |  |  |  |
| 2003 | 410 | 19 | 170 | 599 | 9 |
| 2004 | 414 | 21 | 170 | 605 | 6 |
| 2005 | 421 | 21 | 179 | 621 | 11 |
| 2006 | 425 | 20 | 180 | 625 | 11 |
| 2007 | 435 | 19 | 184 | 638 | 5 |
| 2008 | 443 | 18 | 190 | 651 | 4 |
| 2009 | 480 | 16 | 196 | 692 | 14 |
| 2010 | 489 | 18 | 189 | 696 | 5 |
| 2011 | 500 | 18 | 186 | 704 | 14 |
| 2012 | 510 | 19 | 184 | 713 | 7 |
| Total Payments by Type of Benefit [in thousands] |  |  |  |  |  |
| 2003 | \$14,356 | \$362 | \$1,446 | \$16,164 | \$101 |
| 2004 | 14,770 | 401 | 1,434 | 16,605 | 76 |
| 2005 | 16,064 | 455 | 1,486 | 18,005 | 86 |
| 2006 | 17,380 | 477 | 1,502 | 19,359 | 110 |
| 2007 | 17,870 | 471 | 1,433 | 19,774 | 44 |
| 2008 | 18,453 | 448 | 1,394 | 20,295 | 26 |
| 2009 | 21,194 | 478 | 1,426 | 23,098 | 72 |
| 2010 | 24,029 | 472 | 1,346 | 25,847 | 65 |
| 2011 | 23,953 | 507 | 1,160 | 25,620 | 60 |
| 2012 | 25,337 | 516 | 1,073 | 26,926 | 24 |

BENEFIT AND REFUND PAYMENTS BY TYPE:
MUNICIPAL RETIREMENT SYSTEMS*

- LAST TEN FISCAL YEARS -

| FISCAL YEAR | SERVICE | DISABILITY | SURVIVOR | TOTAL | REFUNDS |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Number of Participants by Type of Benefits |  |  |  |  |  |
| 2002 | 1,572 | 130 | 544 | 2,246 | 3 |
| 2003 | 1,569 | 128 | 549 | 2,246 | - |
| 2004 | 1,569 | 121 | 552 | 2,242 | 4 |
| 2005 | 1,548 | 112 | 565 | 2,225 | 1 |
| 2006 | 1,532 | 109 | 559 | 2,200 | 1 |
| 2007 | 1,507 | 104 | 556 | 2,167 | 1 |
| 2008 | 1,470 | 96 | 557 | 2,123 | 12 |
| 2009 | 1,431 | 93 | 566 | 2,090 | 3 |
| 2010 | 1,388 | 84 | 584 | 2,056 | 9 |
| 2011 | 1,334 | 80 | 602 | 2,016 | 7 |
| Total Payments by Type of Benefit** [in thousands] |  |  |  |  |  |
| 2002 | \$24,564 | \$1,043 | \$4,767 | \$30,374 | \$39 |
| 2003 | 25,293 | 1,067 | 5,061 | 31,421 | - |
| 2004 | 25,873 | 1,045 | 5,264 | 32,182 | 11 |
| 2005 | 25,971 | 985 | 5,598 | 32,554 | 1 |
| 2006 | 26,353 | 969 | 5,757 | 33,079 | 1 |
| 2007 | 27,872 | 1,072 | 6,611 | 35,555 | 1 |
| 2008 | 27,720 | 1,011 | 6,725 | 35,456 | 12 |
| 2009 | 27,409 | 1,003 | 7,045 | 35,457 | 3 |
| 2010 | 27,062 | 927 | 7,430 | 35,419 | 35 |
| 2011 | 26,315 | 894 | 7,956 | 35,165 | 3 |

*Information furnished for MRS is as of September 30.
**Individual MRS's COLA increases are paid if funding is available.

BENEFIT AND REFUND PAYMENTS BY TYPE:
SUPPLEMENTAL LEGISLATIVE RETIREMENT PLAN

- LAST TEN FISCAL YEARS -

| FISCAL YEAR | SERVICE | DISABILITY | SURVIVOR | TOTAL | REFUNDS |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Number of Participants by Type of Benefits |  |  |  |  |  |
| 2003 | 69 | 1 | 15 | 85 | - |
| 2004 | 87 | 2 | 17 | 106 | 3 |
| 2005 | 94 | 2 | 18 | 114 | 2 |
| 2006 | 99 | 2 | 21 | 122 | 1 |
| 2007 | 97 | 2 | 27 | 126 | - |
| 2008 | 110 | 2 | 26 | 138 | 3 |
| 2009 | 113 | 2 | 26 | 141 | 1 |
| 2010 | 117 | 2 | 23 | 142 | 3 |
| 2011 | 118 | 2 | 27 | 147 | - |
| 2012 | 143 | 2 | 28 | 173 | 8 |
| Total Payments by Type of Benefit [in thousands] |  |  |  |  |  |
| 2003 | \$352 | \$5 | \$31 | \$388 | \$- |
| 2004 | 640 | 8 | 48 | 696 | 8 |
| 2005 | 550 | 12 | 37 | 599 | 2 |
| 2006 | 585 | 12 | 35 | 632 | 1 |
| 2007 | 639 | 12 | 48 | 699 | - |
| 2008 | 773 | 14 | 58 | 845 | 14 |
| 2009 | 739 | 12 | 39 | 790 | 9 |
| 2010 | 758 | 12 | 34 | 804 | 20 |
| 2011 | 781 | 12 | 35 | 828 | - |
| 2012 | 1,184 | 16 | 68 | 1,268 | 25 |

AVERAGE BENEFIT PAYMENTS:
PUBLIC EMPLOYEES' RETIREMENT SYSTEM OF MISSISSIPPI

| RETIREMENT EFFECTIVE DATES: JULY 1, 2007, TO JUNE 30, 2012 | YEARS CREDITED SERVICE |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25 | 26-29 | 30 | $31+$ |
| 2012 |  |  |  |  |  |  |  |  |  |
| AVERAGE MONTHLY BENEFIT | \$503 | \$426 | \$656 | \$984 | \$1,325 | \$1,823 | \$1,957 | \$2,283 | \$2,938 |
| AVERAGE FINAL SALARY | \$27,325 | \$29,424 | \$32,872 | \$37,561 | \$40,246 | \$46,050 | \$47,965 | \$51,720 | \$56,263 |
| NUMBER OF ACTIVE RETIRANTS | 146 | 861 | 867 | 779 | 736 | 501 | 1,135 | 260 | 1,281 |
| 2011 |  |  |  |  |  |  |  |  |  |
| AVERAGE MONTHLY BENEFIT | \$490 | \$445 | \$637 | \$975 | \$1,347 | \$1,792 | \$1,996 | \$2,176 | \$2,911 |
| AVERAGE FINAL SALARY | \$26,297 | \$29,798 | \$31,063 | \$36,095 | \$39,613 | \$45,296 | \$48,620 | \$49,084 | \$55,608 |
| NUMBER OF ACTIVE RETIRANTS | 247 | 837 | 808 | 741 | 743 | 456 | 1,050 | 245 | 1,439 |
| 2010 |  |  |  |  |  |  |  |  |  |
| AVERAGE MONTHLY BENEFIT | \$320 | \$386 | \$620 | \$905 | \$1,240 | \$1,718 | \$1,898 | \$2,175 | \$2,833 |
| AVERAGE FINAL SALARY | \$23,675 | \$27,192 | \$30,890 | \$33,781 | \$37,426 | \$43,924 | \$46,537 | \$49,426 | \$54,049 |
| NUMBER OF ACTIVE RETIRANTS | 220 | 765 | 773 | 641 | 627 | 428 | 867 | 237 | 1,189 |
| 2009 |  |  |  |  |  |  |  |  |  |
| AVERAGE MONTHLY BENEFIT | \$396 | \$374 | \$582 | \$875 | \$1,314 | \$1,673 | \$1,865 | \$2,116 | \$2,822 |
| AVERAGE FINAL SALARY | \$26,414 | \$26,280 | \$29,481 | \$32,707 | \$37,865 | \$42,352 | \$45,058 | \$47,003 | \$53,867 |
| NUMBER OF ACTIVE RETIRANTS | 192 | 703 | 669 | 572 | 535 | 378 | 732 | 223 | 961 |
| 2008 |  |  |  |  |  |  |  |  |  |
| AVERAGE MONTHLY BENEFIT | \$400 | \$383 | \$587 | \$900 | \$1,221 | \$1,738 | \$1,845 | \$2,071 | \$2,726 |
| AVERAGE FINAL SALARY | \$25,527 | \$25,618 | 28,649 | \$33,139 | \$36,537 | \$44,534 | \$45,142 | \$48,053 | \$53,245 |
| NUMBER OF ACTIVE RETIRANTS | 201 | 690 | 703 | 614 | 586 | 386 | 855 | 226 | 1,074 |

AVERAGE BENEFIT PAYMENTS:
MISSISSIPPI HIGHWAY SAFETY PATROL RETIREMENT SYSTEM


AVERAGE BENEFIT PAYMENTS:
SUPPLEMENTAL LEGISLATIVE RETIREMENT SYSTEM

| RETIREMENT EFFECTIVE DATES: JULY 1, 2007, TO JUNE 30, 2012 | YEARS CREDITED SERVICE |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0-4 | 5-9 | 10-15 | 16-20 | 21-24 | 25 | 26-29 | 30 | $31+$ |
| 2012 |  |  |  |  |  |  |  |  |  |
| AVERAGE MONTHLY BENEFIT | \$- | \$194 | \$405 | \$430 | \$676 | \$- | \$731 | \$- | \$1,237 |
| AVERAGE FINAL SALARY | \$- | \$33,827 | \$43,765 | \$36,045 | \$38,901 | \$- | \$38,645 | \$- | \$57,275 |
| NUMBER OF ACTIVE RETIRANTS | - | 10 | 6 | 3 | 4 | - | 3 | - | 7 |
| 2011 |  |  |  |  |  |  |  |  |  |
| AVERAGE MONTHLY BENEFIT | \$104 | \$261 | \$109 | \$- | \$305 | \$- | \$- | \$- | \$369 |
| AVERAGE FINAL SALARY | \$33,200 | \$34,762 | \$19,188 | \$- | \$36,782 | \$- | \$- | \$- | \$27,287 |
| NUMBER OF ACTIVE RETIRANTS | 1 | 1 | 1 | - | 2 | - | - | - | 2 |
| 2010 |  |  |  |  |  |  |  |  |  |
| AVERAGE MONTHLY BENEFIT | \$- | \$130 | \$517 | \$- | \$759 | \$- | \$- | \$- | \$1,295 |
| AVERAGE FINAL SALARY | \$- | \$29,883 | \$48,827 | \$- | \$45,504 | \$- | \$- | \$- | \$36,181 |
| NUMBER OF ACTIVE RETIRANTS | - | 3 | 1 | - | 1 | - | - | - | 1 |
| 2009 |  |  |  |  |  |  |  |  |  |
| AVERAGE MONTHLY BENEFIT | \$- | \$195 | \$- | \$- | \$547 | \$- | \$833 | \$411 | \$339 |
| AVERAGE FINAL SALARY | \$- | \$29,237 | \$- | \$- | \$37,853 | \$- | \$39,683 | \$41,404 | \$34,997 |
| NUMBER OF ACTIVE RETIRANTS | - | 3 | - | - | 1 | - | 1 | 1 | 1 |
| 2008 |  |  |  |  |  |  |  |  |  |
| AVERAGE MONTHLY BENEFIT | \$117 | \$226 | \$354 | \$447 | \$513 | \$- | \$655 | \$- | \$923 |
| AVERAGE FINAL SALARY | \$32,859 | \$34,939 | \$36,172 | \$40,512 | \$32,189 | \$- | \$32,548 | \$- | \$44,456 |
| NUMBER OF ACTIVE RETIRANTS | 2 | 2 | 4 | 7 | 1 | - | 3 | - | 1 |

ANALYSIS OF EMPLOYER AND MEMBER CONTRIBUTIONS - FOR FISCAL YEARS ENDED JUNE 30, 2012 AND 2011 -
[contributions in thousands]

|  |  | MPLOYER |  | MBER |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| EMPLOYER GROUP | UNITS | CONTRIBUTIONS | NUMBER | CONTRIBUTIONS | CONTRIBUTIONS | PERCENT |
| 2012 |  |  |  |  |  |  |
| STATE AGENCIES | 112 | \$124,129 | 32,618 | \$88,159 | \$212,288 | 16.1\% |
| STATE UNIVERSITIES | 9 | 119,151 | 17,746 | 84,668 | 203,819 | 15.5 |
| PUBLIC SCHOOLS | 150 | 301,600 | 64,252 | 213,587 | 515,187 | 39.2 |
| COMMUNITY/JUNIOR COLLEGES | 15 | 39,151 | 6,265 | 27,800 | 66,951 | 5.1 |
| COUNTIES | 82 | 63,824 | 14,771 | 45,340 | 109,164 | 8.3 |
| MUNICIPALITIES | 240 | 81,947 | 18,527 | 58,224 | 140,171 | 10.7 |
| OTHERS | 262 | 39,112 | 8,132 | 27,809 | 66,921 | 5.1 |
| TOTALS | 870 | 768,914 | 162,311 | 545,587 | 1,314,501 | 100.0 |
| 2011 |  |  |  |  |  |  |
| STATE AGENCIES | 114 | \$121,094 | 32,574 | \$89,183 | \$210,277 | 16.7\% |
| STATE UNIVERSITIES | 9 | 110,609 | 18,018 | 81,498 | 192,107 | 15.3 |
| PUBLIC SCHOOLS | 150 | 281,501 | 63,538 | 207,460 | 488,961 | 38.9 |
| COMMUNITY/JUNIOR COLLEGES | 15 | 36,746 | 6,198 | 27,081 | 63,827 | 5.1 |
| COUNTIES | 82 | 60,347 | 13,641 | 44,472 | 104,819 | 8.3 |
| MUNICIPALITIES | 240 | 77,345 | 18,828 | 57,001 | 134,346 | 10.7 |
| OTHERS | 262 | 36,194 | 8,879 | 26,674 | 62,868 | 5.0 |
| TOTALS | 872 | \$723,836 | 161,676 | \$533,369 | \$1,257,205 | 100.0\% |

PERCENT OF TOTAL CONTRIBUTIONS BY AGENCY TYPE
2011

|  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{ll} \stackrel{\rightharpoonup}{c} \\ \stackrel{0}{0} \\ 0 & 0 \\ -1 & -1 \end{array}$ | $\begin{array}{ll} \text { io } & \text { oे } \\ \text { in } \\ \text { in } \\ \text { n } \end{array}$ |  |  |  |  |  |
| STATE AGENCIES | STATE UNIVERSITIES | $\begin{aligned} & \text { PUBLIC } \\ & \text { SCHOOLS } \end{aligned}$ | COMMUNITY/ JUNIOR COLLEGES | COUNTIES | MUNICIPALITIES | OTHERS |

Note: Above tables exclude MHSPRS, MRS, and SLRP contributions.

RETIRED MEMBERS BY TYPE OF BENEFITS

- JUNE 30, 2012 -

| AMOUNT OF <br> MONTHLY BENEFIT* <br> Public Employees' Retirement System of Mississippi | OPTION SELECTED** |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | LIFE | OPT. 1 | OPT. 2 | OPT. 3 | OPT. 4 | OPT. 4A |
| \$1-100 | 1,725 | 80 | 318 | 12 | 1 | 31 |
| 101-200 | 3,999 | 223 | 685 | 26 | 4 | 91 |
| 201-300 | 4,125 | 205 | 607 | 14 | 9 | 105 |
| 301-400 | 3,633 | 222 | 574 | 24 | 7 | 114 |
| 401-500 | 3,358 | 178 | 574 | 17 | 12 | 156 |
| 501-600 | 2,807 | 147 | 519 | 13 | 7 | 116 |
| 601-700 | 2,579 | 152 | 464 | 17 | 8 | 137 |
| 701-800 | 2,404 | 163 | 437 | 11 | 11 | 175 |
| 801-900 | 2,227 | 165 | 472 | 9 | 14 | 190 |
| 901-1000 | 2,144 | 130 | 461 | 19 | 12 | 171 |
| OVER 1000 | 27,669 | 1,659 | 7,881 | 256 | 208 | 4,165 |
| TOTALS | 56,670 | 3,324 | 12,992 | 418 | 293 | 5,451 |
| Mississippi Highway Safety Patrol Retirement System |  |  |  |  |  |  |
| \$1-100 | 1 | - | - | - | - | - |
| 101-200 | 4 | - | - | - | - | - |
| 201-300 | 7 | - | - | - | - | - |
| 301-400 | 27 | - | 1 | - | - | - |
| 401-500 | 11 | - | - | - | - | 3 |
| 501-600 | 15 | - | - | - | - | 2 |
| 601-700 | 12 | - | - | - | - | 2 |
| 701-800 | 15 | - | 1 | - | - | 5 |
| 801-900 | 21 | - | - | - | - | 2 |
| 901-1000 | 21 | - | - | - | - | 2 |
| OVER 1000 | 55 | 1 | 47 | 2 | - | 442 |
| TOTALS | 189 | 1 | 49 | 2 | - | 458 |

*Excluding Cost-of-Living Adjustment.
**Option Selected: Life - return of contributions; Opt. 1 - return of member's annuity;
Opt. 2-100.0 percent Survivorship; Opt. 3-50.0 percent / 50.0 percent dual survivorship;
Opt 4-75.0 percent survivorship; Opt. 4A-50.0 percent survivorship; Opt. 4B - years certain and life; Opt. 4C - Social Security leveling; Opt. 5 - pop up; PLSO - partial-lump-sum option.

RETIRED MEMBERS BY TYPE OF BENEFITS (CONTINUED)

- JUNE 30, 2012 -

| AMOUNT OF MONTHLY BENEFIT* Public Employees' Retirement System of Mississippi | OPTION SELECTED** (CONTINUED) |  |  | $\begin{gathered} \text { PLSO } \\ 1 \text { YR*** } \end{gathered}$ | $\begin{aligned} & \text { PLSO } \\ & 2 \text { YR*** } \end{aligned}$ | $\begin{aligned} & \text { PLSO } \\ & 3 \text { YR** }^{* *} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OPT. 4B | OPT. 4C*** | OPT. 5 |  |  |  |
| \$1-100 | 211 | 5 | 8 | 54 | 41 | 403 |
| 101-200 | 474 | 23 | 48 | 102 | 83 | 458 |
| 201-300 | 447 | 37 | 51 | 108 | 74 | 380 |
| 301-400 | 438 | 56 | 33 | 95 | 85 | 332 |
| 401-500 | 354 | 72 | 33 | 99 | 83 | 288 |
| 501-600 | 358 | 96 | 29 | 112 | 71 | 278 |
| 601-700 | 263 | 138 | 29 | 87 | 71 | 215 |
| 701-800 | 240 | 180 | 53 | 83 | 74 | 225 |
| 801-900 | 262 | 195 | 35 | 101 | 63 | 272 |
| 901-1000 | 249 | 219 | 56 | 102 | 51 | 268 |
| OVER 1000 | 3,680 | 1,936 | 330 | 2,045 | 1,794 | 8,063 |
| TOTALS | 6,976 | 2,957 | 705 | 2,988 | 2,490 | 11,182 |
| Mississippi Highway Safety Patrol Retirement System |  |  |  |  |  |  |
| \$1-100 | - | - | - | - | - | - |
| 101-200 | - | - | - | - | - | - |
| 201-300 | - | - | - | - | - | - |
| 301-400 | - | - | - | - | - | - |
| 401-500 | - | - | - | - | - | - |
| 501-600 | - | - | - | - | - | - |
| 601-700 | - | - | - | - | - | - |
| 701-800 | - | - | - | - | - | - |
| 801-900 | - | 1 | - | - | - | - |
| 901-1000 | - | - | - | - | - | - |
| OVER 1000 | 14 | 10 | - | 30 | 17 | 98 |
| TOTALS | 14 | 11 | - | 30 | 17 | 98 |

*Excluding Cost-of-Living Adjustment.
**Option Selected: Life - return of contributions; Opt. 1 - return of member's annuity,
Opt. 2-100.0 percent Survivorship; Opt. 3-50.0 percent / 50.0 percent dual survivorship; Opt 4-75.0 percent survivorship; Opt. 4A-50.0 percent survivorship; Opt. 4B - years certain and life;
Opt. 4C - Social Security leveling; Opt. 5 - pop up; PLSO - partial-lump-sum option.
***/ncluded in other options.

RETIRED MEMBERS BY TYPE OF BENEFITS (CONTINUED)

- JUNE 30, 2012 -

AMOUNT OF MONTHLY BENEFIT* Supplemental Legislative Retirement Plan \$1-100

| OPTION SELECTED** |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LIFE | OPT. 1 | OPT. 2 | OPT. 3 | OPT. 4 | OPT. 4A |  |  |


*Excluding Cost-of-Living Adjustment.
**Option Selected: Life - return of contributions; Opt. 1 - return of member's annuity;
Opt. 2-100.0 percent Survivorship; Opt. 3-50.0 percent / 50.0 percent dual survivorship;
Opt 4-75.0 percent survivorship; Opt. 4A-50.0 percent survivorship; Opt. $4 B$ - years certain and life;
Opt. 4C - Social Security leveling; Opt. 5 - pop up; PLSO - partial-lump-sum option.

RETIRED MEMBERS BY TYPE OF BENEFITS (CONTINUED)

- JUNE 30, 2012 -

| AMOUNT OF MONTHLY BENEFIT* Supplemental Legislative Retirement Plan | OPTION SELECTED** (CONTINUED) |  |  |  | $\begin{aligned} & \text { PLSO } \\ & 1 \text { YR*** } \end{aligned}$ |  | $\begin{gathered} \text { PLSO } \\ 2 \text { YR*** }^{* *} \end{gathered}$ |  | $\begin{gathered} \text { PLSO } \\ 3 \text { YR*** } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OPT. 4B | OPT. 4C*** | OPT. 5 |  |  |  |  |  |  |
| \$1-100 | 3 | 1 |  | - |  | - |  | - | 1 |
| 101-200 | - | - |  | 1 |  | - |  | - | 2 |
| 201-300 | 4 | - |  | 1 |  | - |  | - | 2 |
| 301-400 | 7 | - |  | 1 |  | 1 |  | - | 6 |
| 401-500 | 2 | - |  | - |  | - |  | 2 | 2 |
| 501-600 | 2 | - |  | 1 |  | 1 |  | - | - |
| 601-700 | 2 | - |  | - |  | - |  | - | 1 |
| 701-800 | - | - |  | 1 |  | - |  | - | 2 |
| 801-900 | 2 | - |  | - |  | - |  | - | 1 |
| 901-1000 | 1 | - |  | - |  | - |  | 1 | 1 |
| OVER 1000 | 1 | - |  | - |  | - |  | - | 3 |
| TOTALS | 24 | 1 |  | 5 |  | 2 |  | 3 | 21 |

*Excluding Cost-of-Living Adjustment.
**Option Selected: Life - return of contributions; Opt. 1 - return of member's annuity;
Opt. 2-100.0 percent Survivorship; Opt. 3-50.0 percent / 50.0 percent dual survivorship;
Opt 4-75.0 percent survivorship; Opt. 4A-50.0 percent survivorship; Opt. $4 B$ - years certain and life;
Opt. 4C - Social Security leveling; Opt. 5 - pop up; PLSO - partial-lump-sum option.
***/ncluded in other options.

TOTAL ACTIVE MEMBERS BY ATTAINED AGE AND YEARS OF SERVICE:
PUBLIC EMPLOYEES' RETIREMENT SYSTEM OF MISSISSIPPI

- JUNE 30, 2012 -

|  | ACTIVE MEMBER YEARS OF SERVICE |  |  |  |  |  |  | TOTALS |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ATTAINED AGE | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30+ | NUMBER | VALUATION PAYROLL |
| UNDER 20 | 263 | 5 | - | - | - | - | - | 268 | \$3,621,032 |
| 20-24 | 6,383 | 112 | - | - | - | - | - | 6,495 | 150,098,903 |
| 25-29 | 12,170 | 3,645 | 60 | - | - | - | - | 15,875 | 478,547,580 |
| 30-34 | 8,444 | 8,031 | 2,507 | 51 | - | - | - | 19,033 | 653,231,658 |
| 35-39 | 6,860 | 5,524 | 5,450 | 1,727 | 35 | - | - | 19,596 | 715,989,208 |
| 40-44 | 6,202 | 5,058 | 4,436 | 4,447 | 1,771 | 55 | - | 21,969 | 823,375,590 |
| 45-49 | 5,168 | 4,488 | 3,833 | 3,316 | 3,453 | 1,407 | 34 | 21,699 | 807,531,258 |
| 50-54 | 4,495 | 4,070 | 3,853 | 3,243 | 3,126 | 2,514 | 877 | 22,178 | 841,037,469 |
| 55-59 | 3,363 | 3,531 | 3,170 | 2,840 | 2,896 | 1,842 | 1,694 | 19,336 | 761,161,480 |
| 60 | 489 | 541 | 526 | 439 | 441 | 340 | 277 | 3,053 | 120,799,077 |
| 61 | 445 | 562 | 462 | 400 | 368 | 269 | 264 | 2,770 | 110,824,615 |
| 62 | 355 | 452 | 316 | 314 | 281 | 190 | 206 | 2,114 | 83,430,661 |
| 63 | 265 | 318 | 274 | 243 | 218 | 155 | 153 | 1,626 | 66,906,048 |
| 64 | 246 | 284 | 253 | 218 | 202 | 131 | 153 | 1,487 | 60,657,108 |
| 65 | 209 | 219 | 226 | 160 | 141 | 99 | 117 | 1,171 | 49,009,727 |
| 66 | 118 | 141 | 125 | 98 | 65 | 51 | 72 | 670 | 25,862,205 |
| 67 | 98 | 121 | 108 | 74 | 62 | 30 | 63 | 556 | 21,845,854 |
| 68 | 92 | 95 | 94 | 62 | 42 | 33 | 55 | 473 | 19,837,835 |
| 69 | 61 | 92 | 79 | 52 | 39 | 26 | 38 | 387 | 14,040,323 |
| 70 \& OVER | 261 | 319 | 337 | 204 | 161 | 102 | 171 | 1,555 | 49,981,745 |
| TOTALS | 55,987 | 37,608 | 26,109 | 17,888 | 13,301 | 7,244 | 4,174 | 162,311 | \$5,857,789,376 |

While not used in the financial computations, the following group averages are computed and shown
because of their general interest:
Age: 44.4 years
Service: 10.2 years
Annual Pay: \$36,090


MISSISSIPPI HIGHWAY SAFETY PATROL RETIREMENT SYSTEM

- JUNE 30, 2012 -

|  | ACTIVE MEMBER YEARS OF SERVICE |  |  |  |  |  |  | TOTALS |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ATTAINED AGE | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30+ | NUMBER | VALUATION PAYROLL |
| UNDER 20 | - | - | - | - | - | - | - | - | \$- |
| 20-24 | 13 | - | - | - | - | - | - | 13 | 242,568 |
| 25-29 | 39 | 11 | - | - | - | - | - | 50 | 1,604,586 |
| 30-34 | 38 | 46 | 7 | - | - | - | - | 91 | 3,612,070 |
| 35-39 | 19 | 34 | 40 | 11 | - | - | - | 104 | 4,648,151 |
| 40-44 | 8 | 26 | 35 | 46 | 5 | - | - | 120 | 5,693,799 |
| 45-49 | 2 | 3 | 9 | 33 | 20 | 9 | - | 76 | 4,147,780 |
| 50-54 | - | - | 4 | 9 | 20 | 24 | 5 | 62 | 3,735,887 |
| 55-59 | - | - | 2 | 1 | 3 | 15 | 7 | 28 | 1,781,449 |
| 60 \& OVER | 1 | - | - | - | 1 | - | 1 | 3 | 203,740 |
| TOTALS | 120 | 120 | 97 | 100 | 49 | 48 | 13 | 547 | \$25,670,030 |

While not used in the financial computations, the following group averages are computed and shown because of their general interest:

Age: 40.7 years
Service: 12.7 years
Annual Pay: \$46,929

TOTAL ACTIVE MEMBERS BY ATTAINED AGE AND YEARS OF SERVICE:
MUNICIPAL RETIREMENT SYSTEMS
SEPTEMBER 30, 2011 -

While not used in the financial computations, the following group averages are computed and shown because of their general interest:

Age: 59.7 years
Annual Pay: \$54,274

TOTAL ACTIVE MEMBERS BY ATTAINED AGE AND YEARS OF SERVICE:
SUPPLEMENTAL LEGISLATIVE RETIREMENT PLAN

- JUNE 30, 2012 -

|  |  |  | TIVE ME | ER YEARS | F SERVICE |  |  |  |  | TALS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ATTAINED AGE | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30+ |  | NUMBER | VALUATION PAYROLL |
| UNDER 20 | - | - | - | - | - | - |  | - | - | \$- |
| 20-24 | - | - | - | - | - | - |  | - | - | - |
| 25-29 | - | - | - | - | - | - |  | - | - | - |
| 30-34 | 8 | - | - | - | - | - |  | - | 8 | 306,710 |
| 35-39 | 11 | 3 | 2 | - | - | - |  | - | 16 | 654,023 |
| 40-44 | 15 | 2 | - | 1 | - | - |  | - | 18 | 688,758 |
| 45-49 | 15 | 1 | 2 | 1 | - | - |  | - | 19 | 758,860 |
| 50-54 | 8 | 6 | 1 | 3 | 2 | 1 |  |  | 21 | 819,523 |
| 55-59 | 5 | 4 | 1 | 7 | 3 | 2 |  | 1 | 23 | 927,751 |
| 60 | 1 | 1 | 1 | 1 | - | - |  | 1 | 5 | 198,787 |
| 61 | 1 | 3 | 1 | - | 1 | - |  | 2 | 8 | 314,984 |
| 62 | 1 | 1 | 1 | - | 1 | - |  | 1 | 5 | 198,056 |
| 63 | 5 | 1 | - | 1 | - | - |  | - | 7 | 259,959 |
| 64 | 2 | 1 | - | - | 1 | - |  | 1 | 5 | 192,483 |
| 65 | 2 | 1 | - | 1 | 2 | - |  | 1 | 7 | 279,870 |
| 66 | - | - | 2 | 2 | - | - |  | - | 4 | 163,375 |
| 67 | - | 1 | - | 1 | 2 | - |  | - | 4 | 155,062 |
| 68 | 1 | 1 | 1 | - | - | - |  | 1 | 4 | 150,661 |
| 69 | - | - | - | - | - | - |  | - | - | - |
| 70 \& OVER | 1 | 4 | 1 | 6 | 6 | 2 |  | 1 | 21 | 802,895 |
| TOTALS | 76 | 30 | 13 | 24 | 18 | 5 |  | 9 | 175 | \$6,871,757 |

While not used in the financial computations, the following group averages are computed and shown because of their general interest:

Age: 55.1 years
Benefit Service: 10.4 years
Eligibility Service: 15.3 years
Annual Pay: \$39,267

TOTAL DEFINED BENEFIT PLANS—BENEFIT PAYMENTS BY COUNTY - JUNE 30, 2012 -

|  | COUNTY | NUMBER OF PAYMENTS* | AMOUNT PAID** | COUNTY | NUMBER OF PAYMENTS* | AMOUNT PAID** |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ADAMS | 1,134 | \$22,584,884 | LOWNDES | 1,540 | \$32,466,850 |
|  | ALCORN | 1,012 | 20,157,943 | MADISON | 2,765 | 74,384,685 |
|  | AMITE | 311 | 5,533,034 | MARION | 731 | 15,037,558 |
|  | ATTALA | 744 | 14,215,925 | MARSHALL | 590 | 11,087,088 |
|  | BENTON | 256 | 4,597,838 | monroe | 886 | 18,776,913 |
|  | BOLIVAR | 1,278 | 28,567,732 | MONTGOMERY | 519 | 10,448,287 |
|  | CALHOUN | 421 | 8,395,979 | NESHOBA | 581 | 11,108,533 |
|  | CARROLL | 396 | 7,849,940 | NEWTON | 945 | 19,053,835 |
|  | CHICKASAW | 501 | 9,702,174 | NOXUBEE | 265 | 4,868,571 |
|  | CHOCTAW | 336 | 6,290,394 | OKTIBBEHA | 2,337 | 67,642,835 |
|  | CLAIBORNE | 323 | 6,988,532 | PANOLA | 1,001 | 19,005,892 |
|  | CLARKE | 541 | 9,456,056 | PEARL RIVER | 1,216 | 21,281,914 |
|  | CLAY | 561 | 12,595,354 | PERRY | 382 | 6,373,498 |
|  | COAHOMA | 936 | 21,125,703 | PIKE | 1,141 | 24,909,832 |
|  | COPIAH | 878 | 17,734,966 | PONTOTOC | 640 | 13,966,247 |
|  | COVINGTON | 646 | 13,106,537 | PRENTISS | 933 | 19,381,604 |
|  | DESOTO | 1,181 | 22,677,662 | QUITMAN | 269 | 4,981,794 |
|  | FORREST | 1,770 | 36,998,660 | RANKIN | 4,839 | 115,381,282 |
|  | FRANKLIN | 286 | 5,371,553 | SCOTT | 765 | 14,303,169 |
|  | GEORGE | 571 | 10,361,078 | SHARKEY | 196 | 4,063,290 |
|  | GREENE | 267 | 4,623,777 | SIMPSON | 995 | 18,786,792 |
|  | GRENADA | 659 | 13,140,046 | SMITH | 430 | 7,047,901 |
|  | HANCOCK | 728 | 13,861,041 | STONE | 603 | 12,957,299 |
|  | HARRISON | 3,866 | 86,860,754 | SUNFLOWER | 817 | 17,393,816 |
|  | HINDS | 8,680 | 207,580,018 | TALLAHATCHIE | 398 | 7,757,297 |
|  | HOLMES | 611 | 11,871,778 | TATE | 718 | 15,625,975 |
|  | HUMPHREYS | 256 | 5,516,695 | TIPPAH | 692 | 13,027,898 |
|  | ISSAQUENA | 20 | 326,488 | TISHOMINGO | 505 | 9,000,859 |
|  | ITAWAMBA | 597 | 11,753,784 | TUNICA | 165 | 3,126,928 |
|  | JACKSON | 3,070 | 64,423,996 | UNION | 741 | 14,540,897 |
|  | JASPER | 491 | 8,511,404 | WALTHALL | 348 | 6,818,775 |
|  | JEFFERSON | 347 | 7,819,252 | WARREN | 1,245 | 29,416,557 |
|  | JEFFERSON DAVIS | 380 | 6,982,712 | WASHINGTON | 1,472 | 31,090,833 |
| *The number of payments | ts JONES | 2,250 | 44,278,768 | WAYNE | 448 | 8,347,225 |
| made during a payroll | KEMPER | 314 | 6,286,920 | WEBSTER | 402 | 7,807,813 |
| sample test month. | LAFAYETTE | 1,769 | 47,109,866 | WILKINSON | 259 | 4,808,076 |
| **These figures were computed by using the | LAMAR | 1,924 | 49,754,602 | WINSTON | 634 | 13,945,170 |
| percent paid out to | LAUDERDALE | 2,362 | 49,978,799 | YALOBUSHA | 557 | 10,583,867 |
| each county during a | LAWRENCE | 493 | 8,837,103 | YAZOO | 706 | 14,730,049 |
| sample test month and | LEAKE | 605 | 11,459,379 | MISSISSIPPI | 82,309 | 1,788,689,402 |
| applying that percent | LEE | 2,019 | 46,926,638 | OUT-OF-STATE | 7,364 | 137,221,755 |
| to the total benefits | LEFLORE | 1,012 | 23,032,895 | OUT-OF-COUNTRY | 25 | 457,475 |
| paid during the year. | LINCOLN | 831 | 18,103,039 | TOTALS | 89,698 | \$1,926,368,632 |


|  | 2012 |  |  | 2003 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARTICIPATING EMPLOYER | COVERED EMPLOYEES | RANK | PERCENTAGE OF TOTAL SYSTEM | COVERED EMPLOYEES | RANK |  | PERCENTAGE OF TOTAL SYSTEM |
| Public Employees' Retirement System |  |  |  |  |  |  |  |
| UNIVERSITY MEDICAL CENTER | 7,447 | 1 | 4.58\% | 6,283 |  | 1 | 4.05\% |
| JACKSON MUNICIPAL SEPARATE SCHOOLS | 4,827 | 2 | 2.97 | 4,501 |  | 2 | 2.91 |
| MISSISSIPPI STATE UNIVERSITY | 3,856 | 3 | 2.38 | 3,570 |  | 4 | 2.31 |
| DESOTO COUNTY BOARD OF EDUCATION | 3,712 | 4 | 2.29 | 2,245 |  | 8 | 1.45 |
| MISSISSIPPI DEPARTMENT OF TRANSPORTATION | 3,406 | 5 | 2.10 | 3,280 |  | 6 | 2.12 |
| DEPARTMENT OF HUMAN SERVICES | 3,340 | 6 | 2.06 | 3,366 |  | 5 | 2.17 |
| CORRECTIONS DEPARTMENT | 2,830 | 7 | 1.74 | 3,739 |  | 3 | 2.41 |
| State department of health | 2,493 | 9 | 1.54 | 2,201 |  | 11 | 1.42 |
| RANKIN COUNTY BOARD OF EDUCATION | 2,358 | 8 | 1.45 | 1,818 |  | 13 | 1.17 |
| CITY OF JACKSON | 2,123 | 10 | 1.31 | 2,209 |  | 10 | 1.43 |
| ALL OTHER* | 125,919 | - | 77.58 | 121,660 |  | - | 78.56 |
| TOTALS (870 EMPLOYERS) | 162,311 | - | 100.00\% | 154,872 |  | - | 100.00\% |
| Municipal Retirement Systems |  |  |  |  |  |  |  |
| CITY OF CLINTON | 6 | 1 | 27.28\% | 16 |  | 3 | 13.56\% |
| CITY OF HATTIESBURG | 4 | 2 | 18.18 | 34 |  | 1 | 28.81 |
| CITY OF GREENWOOD | 2 | 3 | 9.09 | 6 |  | 5 | 5.08 |
| CITY OF MERIDIAN | 2 | 3 | 9.09 | 5 |  | 6 | 4.24 |
| ALL OTHER* | 8 | - | 36.36 | 57 |  | - | 48.31 |
| TOTALS (17 EMPLOYERS) | 22 | - | 100.00\% | 118 |  | - | 100.00\% |
|  | In 2012, "All Othe | nsisted of: |  |  |  |  |  |
| TYPE | NUMBER | MPLOYEES |  | TYPE | NUMBER |  | EMPLOYEES |
| Public Employees' Retirement System |  |  | Municipal Re | ment Systems |  |  |  |
| STATE AGENCIES | 108 | 20,549 |  | ATE AGENCIES |  | - | - |
| STATE UNIVERSITIES | 7 | 6,443 |  | UNIVERSITIES |  | - | - |
| PUBLIC SCHOOLS | 147 | 53,355 |  | LIC SCHOOLS |  | - | - |
| COMMUNITY/ JUNIOR COLLEGES | 15 | 6,265 |  | COMMUNITY/ OR COLLEGES |  | - | - |
| COUNTIES | 82 | 14,771 |  | COUNTIES |  | - | - |
| MUNICIPALITIES | 239 | 16,404 |  | UNICIPALITIES | 13 | 3 | 8 |
| OTHER POLITICAL SUBDIVISIONS | 262 | 8,132 |  | ER POLITICAL SUBDIVISIONS |  | - | - |
| TOTALS | 860 | 125,919 |  | TOTALS | 13 | 3 | 8 |


| Participating Employers Covered by Law |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| STATE AGENCIES |  |  |  |  |
| STATE UNIVERSITIES |  |  |  |  |
| COMMUNITY/JUNIOR COLLEGES |  |  |  |  |
| PUBLIC SCHOOL DISTRICTS |  |  |  |  |
| Participating Employers Covered by Separate Agreement |  |  |  |  |
| COUNTIES |  |  |  |  |
| Local Governmental Entities Covered by Separate Agreement |  |  |  |  |
| Municipalities |  |  |  |  |
| ABERDEEN | CRENSHAW | ITTA BENA | NETTLETON | SHANNON |
| ACKERMAN | CROSBY | IUKA | NEW ALBANY | SHAW |
| ALGOMA | CRYSTAL SPRINGS | JACKSON | NEW AUGUSTA | SHELBY |
| AMORY | DECATUR | JONESTOWN | NEW HEBRON | SHERMAN |
| ANGUILLA | DE KALB | JUMPERTOWN | NEWTON | SHUBUTA |
| ARCOLA | D'LO | KILMICHAEL | NORTH CARROLLTON | SHUQUALAK |
| ARTESIA | DERMA | KOSCIUSKO | NOXAPATER | SILVER CITY |
| ASHLAND | D'IBERVILLE | LAKE | OCEAN SPRINGS | SLEDGE |
| BALDWYN | DREW | LAMBERT | OKOLONA | SMITHVILLE |
| BASSFIELD | DUCK HILL | LAUREL | OLIVE BRANCH | SOSO |
| BATESVILLE | DURANT | LEAKESVILLE | OSYKA | SOUTHAVEN |
| BAY SPRINGS | ECRU | LELAND | OXFORD | STARKVILLE |
| BAY ST. LOUIS | EDWARDS | LENA | PASCAGOULA | STATE LINE |
| BEAUMONT | ELLISVILLE | LEXINGTON | PASS CHRISTIAN | STONEWALL |
| BELMONT | ENTERPRISE | LIBERTY | PEARL | STURGIS |
| BELZONI | ETHEL | LONG BEACH | PELAHATCHIE | SUMMIT |
| BENOIT | EUPORA | LOUIN | PETAL | SUMNER |
| BENTONIA | FALKNER | LOUISE | PHILADELPHIA | SUMRALL |
| BILOXI | FARMINGTON | LOUISVILLE | PICAYUNE | SUNFLOWER |
| blUE MOUNTAIN | FLORA | LUCEDALE | PLANTERSVILLE | TAYLORSVILLE |
| BOONEVILLE | FLORENCE | LULA | POLKVILLE | TCHULA |
| bOyLE | FLOWOOD | LUMBERTON | PONTOTOC | TISHOMINGO |
| BRANDON | FOREST | LYON | POPLARVILLE | TREMONT |
| BROOKHAVEN | FRENCH CAMP | MABEN | PORT GIBSON | TUNICA |
| BROOKSVILLE | FULTON | MACON | POTTS CAMP | TUPELO |
| BRUCE | GAUTIER | MADISON | PRENTISS | TUTWILER |
| BUDE | GLOSTER | MAGEE | PUCKETT | TYLERTOWN |
| BURNSVILLE | GOLDEN | MAGNOLIA | PURVIS | UNION |
| BYHALIA | GOODMAN | MANTACHIE | QUITMAN | VAIDEN |
| CALEDONIA | GREENVILLE | MARIETTA | RALEIGH | VARDAMAN |
| CALHOUN CITY | GREENWOOD | MARION | RAYMOND | VERONA |
| CANTON | GRENADA | MARKS | RENOVA | VICKSBURG |
| CARTHAGE | GULFPORT | MATHISTON | RICHLAND | WALNUT |
| CARY | GUNTOWN | MAYERSVILLE | RICHTON | WALNUT GROVE |
| CENTREVILLE | HATLEY | MCCOMB | RIDGELAND | WALTHALL |
| CHARLESTON | HATTIESBURG | MCLAIN | RIENZI | WATER VALLEY |
| CHUNKY | HAZLEHURST | MEADVILLE | RIPLEY | WAVELAND |
| CLARKSDALE | HEIDELBERG | MENDENHALL | ROLLING FORK | WAYNESBORO |
| CLEVELAND | HERNANDO | MERIDIAN | ROSEDALE | WEIR |
| CLINTON | HICKORY | MERIGOLD | ROXIE | WESSON |
| COFFEEVILLE | HICKORY FLAT | MIZE | RULEVILLE | WEST |
| COLDWATER | HOLLANDALE | MONTICELLO | SALTILLO | WEST POINT |
| COLLINS | HOLLY SPRINGS | MOORHEAD | SALLIS | WIGGINS |
| COLUMBIA | HORN LAKE | MORTON | SANDERSVILLE | WINONA |
| columbus | HOULKA | MOSS POINT | SARDIS | WOODLAND |
| COMO | HOUSTON | MOUNT OLIVE | SEBASTOPOL | WOODVILLE |
| CORINTH | INDIANOLA | MYRTLE | SEMINARY | Yazoo CITY |
| CRAWFORD | INVERNESS | NATCHEZ | SENATOBIA |  |

## Juristic Entities

ADAMS COUNTY SOIL AND WATER CONSERVATION DISTRICT
ADAMS COUNTY AIRPORT COMMISSION
BOGUE PHALIA DRAINAGE DISTRICT
BOLIVAR COUNTY SOIL AND WATER CONSERVATION DISTRICT CALEDONIA NATURAL GAS DISTRICT CALHOUN COUNTY SOIL AND WATER CONSERVATION DISTRICT
CANTON CONVENTION \& VISITORS BUREAU
CANTON REDEVELOPMENT AUTHORITY
CHICKASAWHAY NATURAL GAS DISTRICT
CLAIBORNE COUNTY HUMAN RESOURCE AGENCY
CLEARY WATER, SEWER \& FIRE DISTRICT
COAHOMA COUNTY SOIL \& WATER CONSERVATION DISTRICT
COLUMBUS LOWNDES COUNTY RECREATION COMMISSION COPIAH COUNTY HUMAN RESOURCE AGENCY

CORINTH-ALCORN AIRPORT BOARD
CORINTH-ALCORN CONVENTION \& AGRICULTURE EXPOSITION CENTER COVINGTON COUNTY SOIL \& WATER CONSERVATION DISTRICT CULKIN WATER DISTRICT
delta blues museum
DESOTO COUNTY CONVENTION \& VISITORS BUREAU DESOTO COUNTY REGIONAL UTILITY AUTHORITY DESOTO COUNTY SOIL \& WATER CONSERVATION DISTRICT DIAMONDHEAD FIRE PROTECTION DISTRICT EAST LEFLORE COUNTY WATER AND SEWER DISTRICT EMERGENCY MANAGEMENT DISTRICT FORREST COUNTY SOIL \& WATER CONSERVATION DISTRICT GEORGE COUNTY SOIL \& WATER CONSERVATION DISTRICT GLENDALE UTILITY DISTRICT GOLDEN TRIANGLE COOPERATIVE SERVICE DISTRICT GOLDEN TRIANGLE REGIONAL AIRPORT GOLDEN TRIANGLE REGIONAL SOLID WASTE MANAGEMENT AUTHORITY GREENVILLE PORT COMMISSION GREENWOOD TOURISM COMMISSION GRENADA COUNTY CIVIL DEFENSE GRENADA COUNTY SOIL \& WATER CONSERVATION DISTRICT GULF REGIONAL PLANNING COMMISSION GULFPORT-BILOXI REGIONAL AIRPORT AUTHORITY HANCOCK COUNTY HUMAN RESOURCE AGENCY HANCOCK COUNTY PLANNING COMMISSION HANCOCK COUNTY PORT \& HARBOR COMMISSION HANCOCK COUNTY SOIL CONSERVATION DISTRICT HANCOCK COUNTY UTILITY AUTHORITY HANCOCK COUNTY WATER \& SEWER DISTRICT HARRISON COUNTY DEVELOPMENT COMMISSION HARRISON COUNTY SOIL \& WATER CONSERVATION DISTRICT HARRISON COUNTY UTILITY AUTHORITY HATTIESBURG TOURISM COMMISSION HINDS COUNTY SOIL \& WATER CONSERVATION DISTRICT HOLMES COUNTY SOIL \& WATER CONSERVATION DISTRICT ITAWAMBA COUNTY SOIL \& WATER CONSERVATION DISTRICT JACKSON COUNTY EMERGENCY/COMMUNICATIONS DISTRICT JACKSON COUNTY PORT AUTHORITY JACKSON COUNTY UTILITY AUTHORITY JACKSON MUNICIPAL AIRPORT AUTHORITY JONES COUNTY ECONOMIC DEVELOPMENT AUTHORITY KILN WATER \& FIRE PROTECTION DISTRICT-HANCOCK COUNTY LAFAYETTE COUNTY SOIL \& WATER CONSERVATION DISTRICT LAMAR COUNTY SOIL \& WATER CONSERVATION DISTRICT

LAUDERDALE COUNTY EMERGENCY MEDICAL SERVICE DISTRICT LAUDERDALE COUNTY SOIL \& WATER CONSERVATION DISTRICT LAUREL AIRPORT AUTHORITY
LEE COUNTY SOIL \& WATER CONSERVATION DISTRICT MADISON COUNTY ECONOMIC DEVELOPMENT AUTHORITY MADISON COUNTY SOIL \& WATER CONSERVATION DISTRICT MARION COUNTY SOIL \& WATER CONSERVATION DISTRICT MENTAL HEALTH \& RETARDATION, REGION III (NE MS MHR) MENTAL HEALTH \& RETARDATION, REGION IV (CORINTH) MENTAL HEALTH \& RETARDATION, REGION V (DELTA COMMISSION MHR) MENTAL HEALTH \& RETARDATION, REGION VI (GREENWOOD) MENTAL HEALTH \& RETARDATION, REGION VIII (BRANDON) MENTAL HEALTH \& RETARDATION, REGION X (WEEMS MH) MENTAL HEALTH \& RETARDATION, REGION XI (SW MS MH/MR) MENTAL HEALTH \& RETARDATION, REGION XIV (SINGING RIVER) MERIDIAN AIRPORT AUTHORITY MID-MISSISSIPPI DEVELOPMENT DISTRICT MISSISSIPPI COAST COLISEUM \& CONVENTION CENTER MISSISSIPPI LEVEE COMMISSIONERS MUNICIPAL ENERGY AGENCY OF MISSISSIPPI NATCHEZ-ADAMS COUNTY PORT COMMISSION NESHOBA COUNTY SOIL CONSERVATION DISTRICT NEWTON COUNTY SOIL CONSERVATION DISTRICT NORTHEAST MISSISSIPPI REGIONAL WATER SUPPLY DISTRICT NORTHEAST MISSISSIPPI NATURAL GAS DISTRICT NOXUBEE COUNTY SOIL \& WATER CONSERVATION DISTRICT NROUTE TRANSIT COMMISSION OTTER BAYOU DRAINAGE DISTRICT OXFORD TOURISM COUNCIL

PANOLA COUNTY SOIL \& WATER CONSERVATION DISTRICT PHILADELPHIA-NESHOBA COUNTY PARK COMMISSION PIKE COUNTY SOIL CONSERVATION DISTRICT PINE BELT REGION SOLID WASTE MANAGEMENT AUTHORITY PONTOTOC COUNTY SOIL \& WATER CONSERVATION DISTRICT PRENTISS COUNTY SOIL \& WATER CONSERVATION DISTRICT RANKIN COUNTY HUMAN RESOURCE AGENCY RANKIN-HINDS PEARL RIVER FLOOD RESERVOIR FIRE PROTECTION DISTRICT RIDGELAND TOURISM COMMISSION ROSEDALE-BOLIVAR COUNTY PORT COMMISSION RUNNELSTOWN UTILITY DISTRICT SEBASTOPOL NATURAL GAS DISTRICT SIMPSON COUNTY PARKS \& RECREATION SOUTH MISSISSIPPI FAIR COMMISSION STARKVILLE PARK COMMISSION STONE COUNTY SOIL \& WATER CONSERVATION DISTRICT SUNFLOWER COUNTY SOIL \& WATER CONSERVATION DISTRICT TALLAHATCHIE COUNTY SOIL \& WATER CONSERVATION DISTRICT TENNESSEE-TOMBIGBEE WATERWAY DEVELOPMENT AUTHORITY TUNICA COUNTY AIRPORT COMMISSION

TUNICA COUNTY TOURISM COMMISSION TUPELO AIRPORT AUTHORITY UNION COUNTY SOIL \& WATER CONSERVATION DISTRICT VICKSBURG CONVENTION \& VISITORS BUREAU WARREN COUNTY PARK COMMISSION WARREN COUNTY SOIL \& WATER CONSERVATION DISTRICT WALTHALL COUNTY SOIL \& WATER CONSERVATION DISTRICT WAYNE COUNTY ECONOMIC DEVELOPMENT DISTRICT
Juristic Entities (continued)
WAYNE COUNTY SOIL \& WATER CONSERVATION DISTRICT
WEST JACKSON COUNTY UTILITY DISTRICT
WILKINSON COUNTY SOIL \& WATER CONSERVATION DISTRICT
WINSTON COUNTY ECONOMIC DEVELOPMENT
WINSTON COUNTY SOIL \& WATER CONSERVATION DISTRICT

YAZOO COUNTY CONVENTION \& VISITORS BUREAU
YAZOO COUNTY SOIL \& WATER CONSERVATION DISTRICT
YAZOO-MISSISSIPPI DELTA JOINT WATER MANAGEMENT DISTRICT
YAZOO-MISSISSIPPI DELTA LEVEE COMMISSION
YAZOO RECREATION COMMISSION

Housing Authorities

| ATTALA | HATTIESBURG | MS REG. V-NEWTON | SHELBY |
| :--- | :--- | :--- | :--- |
| BALDWYN | HAZLEHURST | MS REG. VI-JACKSON | SOUTH DELTA REGION |
| BAY WAVELAND | HOLLY SPRINGS | MS REG. VIII-GULFPORT | STARKVILLE |
| BILOXI | ITTA BENA | MOUND BAYOU | SUMMIT |
| BOONEVILLE | IUKA | NATCHEZ | TUPELO |
| CANTON | JACKSON | OXFORD | VICKSBURG |
| CLARKSDALE | LAUREL | PICAYUNE | WATER VALLEY |
| COLUMBUS | LOUISVILLE | PONTOTOC | WAYNESBORO |
| CORINTH | MCCOMB | RICHTON | WEST POINT |
| FOREST | MERIDIAN | SARDIS | WINONA |
| GREENWOOD | MSREG.IV-COLUMBUS | SENATOBIA | YAZOO CITY |

Local Hospitals
FIELD MEMORIAL COMMUNITY
FRANKLIN COUNTY MEMORIAL
GRENADA LAKE MEDICAL CENTER HANCOCK MEDICAL CENTER

JEFFERSON COUNTY
MADISON COUNTY NURSING HOME
MAGNOLIA REGIONAL HEALTH CENTER
MONTFORT JONES MEMORIAL

JENNIE STEPHENS SMITH
KEMPER-NEWTON COUNTY REGIONAL
LAMAR COUNTY
LAUREL-JONES COUNTY
LEE-ITAWAMBA COUNTY
LINCOLN-LAWRENCE-FRANKLIN
MADISON COUNTY-CANTON PUBLIC
MARKS-QUITMAN COUNTY
MARSHALL COUNTY
MERIDIAN-LAUDERDALE COUNTY
MID-MISSISSIPPI REGIONAL
NATCHEZ ADAMS WILKINSON
NESHOBA COUNTY PUBLIC
NORTHEAST REGIONAL
NOXUBEE COUNTY
OKTIBBEHA COUNTY
PEARL RIVER COUNTY
PIKE-AMITE-WALTHALL COUNTY
PINE FOREST REGIONAL
SHARKEY-ISSAQUENA COUNTY
SOUTH MISSISSIPPI REGIONAL
SUNFLOWER COUNTY

NATCHEZ REGIONAL MEDICAL CENTER NORTH SUNFLOWER MEDICAL CENTER SOUTH SUNFLOWER COUNTY TIPPAH COUNTY

Local Libraries
AMORY MUNICIPAL
BENTON COUNTY
BOLIVAR COUNTY
CARNEGIE PUBLIC
CARROLL COUNTY
CENTRAL MISSISSIPPI REGIONAL
COLUMBUS-LOWNDES PUBLIC
COPIAH-JEFFERSON REGIONAL
COVINGTON COUNTY
DIXIE REGIONAL
EAST MISSISSIPPI REGIONAL
ELIZABETH JONES
EVANS MEMORIAL
FIRST REGIONAL
GREENWOOD-LEFLORE PUBLIC
HANCOCK COUNTY
HARRIETTE PERSON MEMORIAL
HARRISON COUNTY
HATTIESBURG-PETAL-FORREST COUNTY
HUMPHREYS COUNTY
JACKSON-GEORGE REGIONAL
JACKSON-HINDS

TALLAHATCHIE COUNTY
TOMBIGBEE REGIONAL WASHINGTON COUNTY WAYNESBORO-WAYNE COUNTY Yalobusha county YAZOO LIBRARY ASSOCIATION



[^0]:    The accompanying notes are an integral part of these basic financial statements.

[^1]:    The accompanying notes are an integral part of these basic financial statements.

[^2]:    *Information furnished for MRS is as of September 30, 2011.

[^3]:    See Notes to Required Supplementary Schedules.

