

Macon-Bibb County

# Pensions and Retirement System

For the period ended June 30, 2014

Division A





## Board of Directors

	<u>Term of Office</u>
<b>Chairwoman Lauren Benedict</b> Attorney and former City Councilwoman llbenedict@blostonlawmacon.com	05/06/14 – 05/06/18
<b>Vice Chair Harold Wilson</b> Retiree and former local banker hawilson@yahoo.com	02/21/12 – 02/21/16
<b>Secretary Megan McMahon</b> Deputy Finance Director Macon-Bibb County mmcmahon@maconbibb.us	10/15/13 – 02/07/16
<b>Board Member Scotty Shepherd</b> Retired Sheriff Deputy and County Commissioner mbcshepherd@maconbibb.us	05/06/14 – 05/06/18
<b>Board Member Larry Schlesinger</b> Rabbi and County Commissioner mbcschlesinger@maconbibb.us	05/06/14 – 05/06/18
<b>Board Member Neil Davis</b> Facilities and Maintenance Macon-Bibb County ndavis@maconbibb.us	02/07/12 – 02/07/16
<b>Board Member Dale M. Walker</b> County Manager Macon-Bibb County dwalker@maconbibb.us	08/20/13 – 08/20/17

### Staff

Joyce Humphries, Recording Secretary  
Ben Hubbard, Human Resources Director  
Reginald McClendon, Assistant County Attorney





**ROBERT A. B. REICHERT**  
MAYOR

OFFICE OF THE MAYOR

## **Macon-Bibb County**

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MACON, GEORGIA 31202-0247  
(478) 751-7170  
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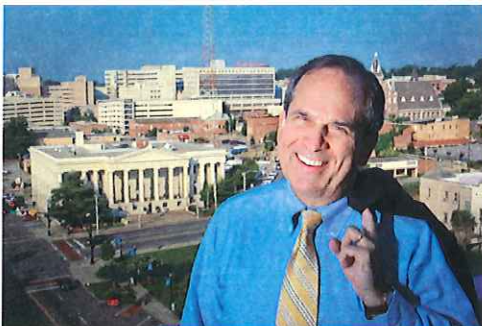
December 01, 2014

Dear Members of the City of Macon General Employees Retirement System,

The annual report for the period ended June 30, 2014 is provided for you to read and understand about the retirement system that you are part of and is provided by Macon-Bibb County. The basic information you will find in this report is the funding ratio and it is very good. This has happened with the great oversight of your retirement board and sound investment practices.

With the consolidation of the new government, it was decided to close this plan to any new hires and move them into the former County plan, you can rest assured we are continuing to make this plan actuarially sound. With the number of retirees increasing it is obvious that the monthly pension payments will increase. It is interesting to note in the report that the active employees consist of 44% female and 56% male while the average age of the active employee is 47 years old and they have been employed 12 years. Currently the average retiree is receiving an average of \$920 per month. Approximately 414 retirees are receiving a pension. The Macon-Bibb County cost annually is \$4.6 million dollars to support this plan. You will also note in this report that that cost will rise significantly over the next few years.

There are many more statistics to glean from this report and I trust you will be comforted that your retirement system is in good financial condition. Thanks for the diligence of the retirement board that has put countless hours into making this a success. It is a pleasure for me to serve you.



Sincerely,

Robert A. B. Reichert  
Mayor



## Division A of the Macon-Bibb County Pensions and Retirement System

December 1, 2014

Dear Retirees and Active Employees:

This annual report is prepared for you to understand your retirement system a little better and know that the Board of Directors are working to ensure that funds will be available during and when you get ready to retire. This retirement plan is designed for the former City of Macon General Employees and is also called the Division A plan. On January 1, 2014, the City of Macon and the Bibb County governments consolidated and it changed the scope of this retirement system. The new County Commissioners have decided to close this plan to any future employees therefore this is referred to as a soft close for the current active employees and retirees. The only change you will see is that no new employees will be added to the system and the new government will continue to fund this system. With that bit of history and information, you will find additional helpful information included in this document. It includes the past several years of financial history as well as the current actuarial report.

We recently received word that Merrill Lynch will be exiting the investment consulting arena. Merrill Lynch has done a good job for us over the years. We are sad to see them leave the public plan field but we are excited to welcome our new investment consultants. The Board of Directors hired, as of November 1, 2014, the services of Independent Portfolio Consultants from Boca Raton, Florida. They will oversee the investment strategies we use to maximize the returns so this plan can continue to ensure your retirement. Investment Portfolio Consultants will be holding meetings with the retirees and active employees. Meetings your Board of Directors holds each month at the Government Center are open to the public and we encourage you to stop by and discuss your fund with us.

Macon-Bibb County participates in single-employer, noncontributory defined benefit, and public employee retirement systems. Assets are held separately and in trust but may only be used for the payment of benefits to the members of the retirement plan. Actuarial valuations are performed annually. There are no loans to any government officials, no prohibited transactions, or other "party-in-interest" or prohibited transactions. The funds are managed by independent money managers. The County Commission appoints all members to the board. Active members make no contribution to the retirement plan.

It is my pleasure to serve as the Chairwoman of the Board and guide this retirement system to a level of 91% funded as of June 30, 2014. The national average is 75% funded so we are performing much better than many plans across the United States. With the addition of Independent Portfolio Consultants, we feel comfortable that our average return will increase and make our system even more stable. Please read this report, ask questions, and be an active member of your retirement system.

Respectfully

  
Lauren Benedict, Esq.

Chairwoman

Lauren Benedict \* Neal Davis \* Megan McMahon \* Larry Schlesinger \* Scotty Shepherd \* Dale Walker \* Harold Wilson

# U.S. continues with slow/moderate growth

Strong bounce back in Q2 after negative Q1, stronger forecasts

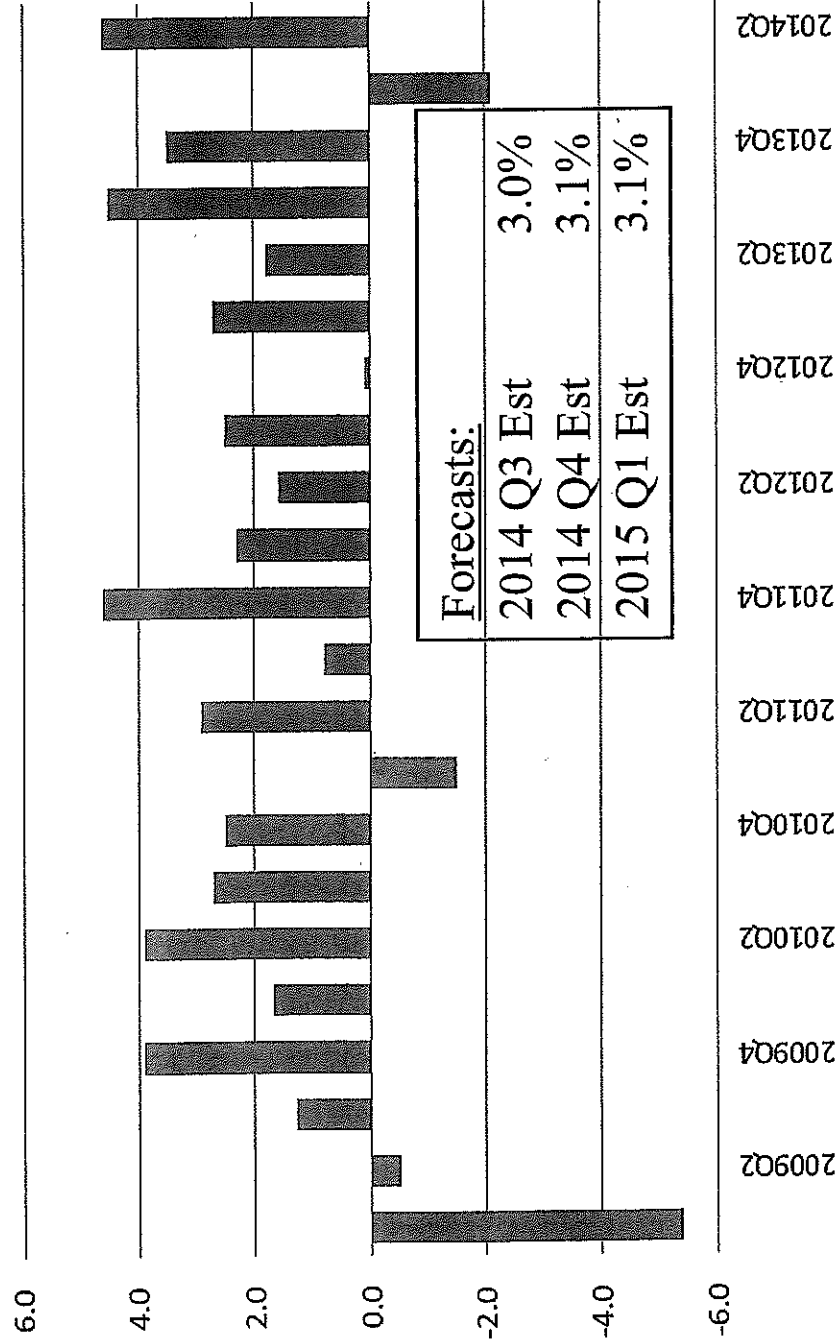
Economy is forecast to grow above 3% for next few quarters

Key indicators such as payroll growth, industrial production and vehicle sales remain strong.

Some indicators are nearing Fed criteria for rate hikes.

## U.S. Gross Domestic Product

Annual Growth %



Source: U.S. Bureau of Economic Analysis

Macon-Bibb County, Georgia  
**Division A General Employees' Pension Fund**  
Combining Statement of Fiduciary Net Position

	As of June 30,				
	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>
<b>Assets</b>					
Cash	\$3,382,061	\$3,052,697	\$2,380,456	\$3,528,950	\$1,608,495
Investments:					
Common Stock	\$36,410,032	\$30,564,783	\$16,304,352	\$0	\$0
Governmental funds	\$23,274,818	\$17,546,882	\$0	\$0	\$0
Corporate bonds	\$0	\$6,047,197	\$0	\$0	\$0
Asset-backed securitites	\$0	\$0	\$0	\$0	\$0
Temporary investments	\$0	\$0	\$0	\$0	\$0
Mutual funds	\$13,503,543	\$9,882,350	\$43,996,265	\$59,799,859	\$55,045,784
Collateralized Mortgage Oblig	\$0	\$0	\$0	\$0	\$0
Total Investments	\$73,188,393	\$64,041,212	\$60,300,617	\$59,799,859	\$55,045,784
Receivables:					
Accrued int & dividends	\$103,830	\$135,771	\$96,586	\$28,959	\$26,735
Due from other funds	\$0	\$0	\$0	\$0	\$0
Accounts rec- investment sales	\$0	\$0	\$0	\$0	\$0
Total Receivables	\$103,830	\$135,771	\$96,586	\$28,959	\$26,735
Notes Receivable	\$0	\$429,741	\$623,273	\$900,000	\$0
Prepaid Expenses	\$3,543	\$3,111	\$2,872	\$2,533	\$0
Total Assets	\$76,677,827	\$67,662,532	\$63,403,804	\$64,260,301	\$56,681,014
<b>Liabilities</b>					
Accounts Payable	\$9,536	\$0	\$10,463	\$13,422	\$28,701
Settlement Payable	\$263,918	\$0	\$0	\$0	\$0
Due to Other Funds	\$0	\$0	\$0	\$0	\$0
Total Liabilities	\$273,454	\$0	\$10,463	\$13,422	\$28,701
<b>Net Position</b>					
<i>Net position restricted for pension benefits</i>	\$76,404,373	\$67,662,532	\$63,393,341	\$64,246,879	\$56,652,313

Macon-Bibb County, Georgia  
**Division A General Employees' Pension Fund**  
Combining Statement of Fiduciary Net Position

	As of June 30,				
	<u>2009</u>	<u>2008</u>	<u>2007</u>	<u>2006</u>	<u>2005</u>
<b>Assets</b>					
Cash	\$863,928	\$121,983	\$0	\$0	\$0
Investments:					
Common Stock	\$0	\$4,113,039	\$21,985,297	\$33,374,406	\$31,225,022
Governmental funds	\$1,029,741	\$1,420,097	\$1,634,913	\$1,758,152	\$1,809,412
Corporate bonds	\$7,005,784	\$1,493,995	\$1,322,013	\$1,361,613	\$0
Asset-backed securitites	\$4,351,163	\$1,431,116	\$1,068,351	\$642,825	\$0
Temporary investments	\$0	\$0	\$377,002	\$854,408	\$1,978,273
Mutual funds	\$39,765,660	\$58,185,405	\$47,301,628	\$28,796,891	\$28,455,055
Collateralized Mortgage Oblig	\$22,424	\$74,609	\$81,397	\$107,947	\$0
Total Investments	\$52,174,772	\$66,718,261	\$73,770,601	\$66,896,242	\$63,467,762
Receivables:					
Accrued int & dividends	\$160,954	\$49,503	\$52,454	\$66,942	\$52,753
Due from other funds	\$0	\$0	\$0	\$0	\$0
Accounts rec- investment sales	\$0	\$200,000	\$0	\$200,000	\$202,098
Total Receivables	\$160,954	\$249,503	\$52,454	\$266,942	\$254,851
Notes Receivable	\$0	\$0	\$0	\$0	\$0
Prepaid Expenses	\$0	\$0	\$0	\$0	\$0
Total Assets	\$53,199,654	\$67,089,747	\$73,823,055	\$67,163,184	\$63,722,613
<b>Liabilities</b>					
Accounts Payable	\$17,255	\$39,066	\$47,341	\$65,390	\$113,064
Settlement Payable	\$0	\$31,728	\$51,253	\$278,833	\$144,622
Due to Other Funds	\$0	\$0	\$0	\$0	\$0
Total Liabilities	\$17,255	\$70,794	\$98,594	\$344,223	\$257,686
<b>Net Position</b>					
<i>Net position restricted for pension benefits</i>	\$53,182,399	\$67,018,953	\$73,724,461	\$66,818,961	\$63,464,927

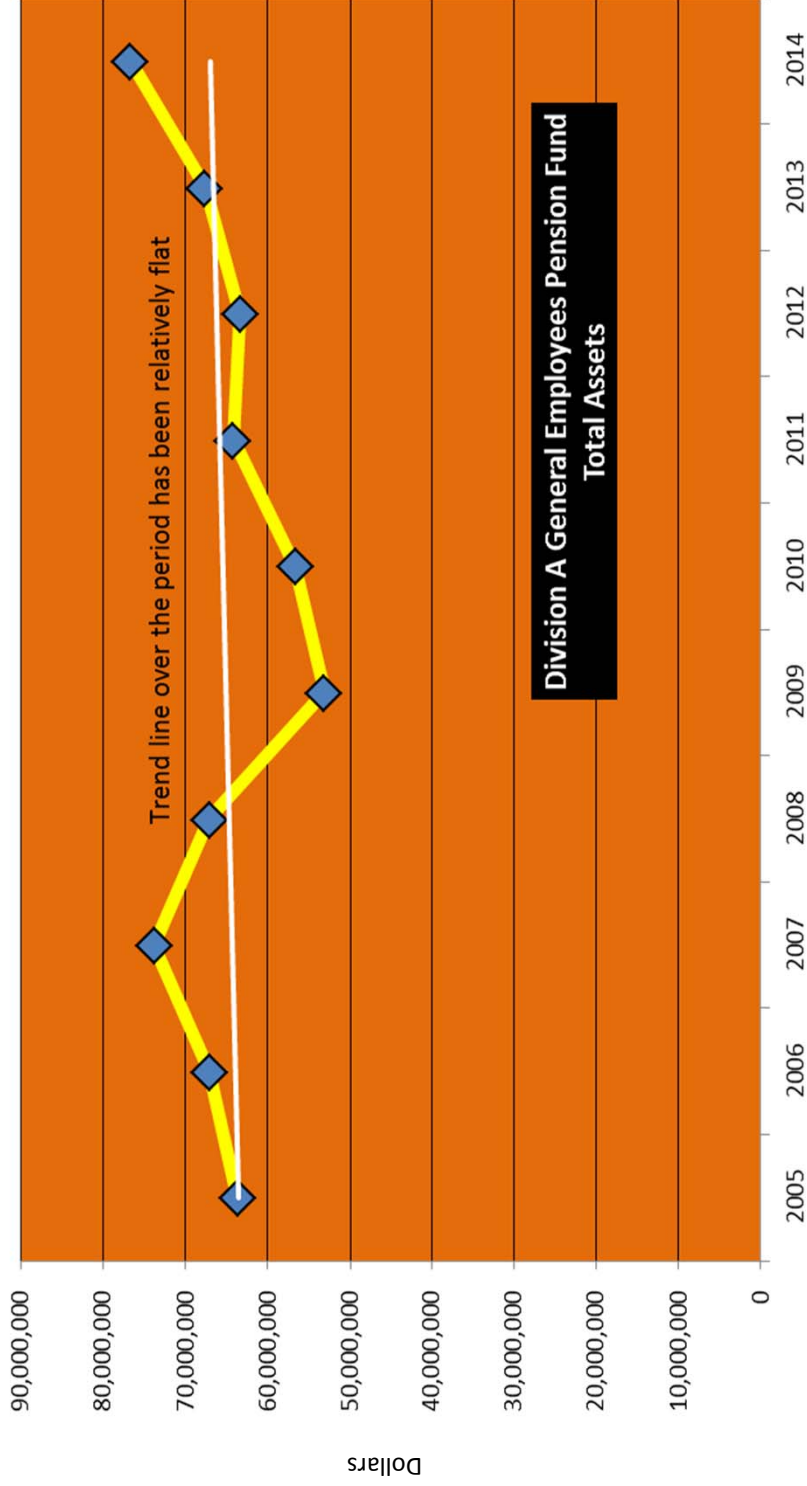
Macon-Bibb County, Georgia  
**Division A General Employees' Pension Fund**  
Combining Statement of Fiduciary Net Position

	As of June 30,				
	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>
<b>Additions</b>					
Employer Contributions	\$3,712,060	\$3,184,527	\$2,455,897	\$1,305,517	\$436,833
Net appreciation in fair value of investments	\$7,712,894	(\$2,619,144)	(\$296,886)	\$8,781,305	\$5,453,808
Investment Income	\$2,208,758	\$8,385,542	\$1,051,227	\$1,344,335	\$1,255,335
Less: Investment Expenses	(\$389,200)	(\$436,855)	(\$111,317)	(\$62,900)	(\$159,189)
Net investment Income	\$9,532,452	\$5,329,543	\$643,024	\$10,062,740	\$6,549,954
<i>Total Additions</i>	\$13,244,512	\$8,514,070	\$3,098,921	\$11,368,257	\$6,986,787
<b>Deductions</b>					
Benefit Payments	\$4,365,594	\$4,121,943	\$3,943,148	\$3,716,049	\$3,434,856
Administrative expenses	\$137,077	\$122,936	\$9,311	\$57,642	\$82,017
<i>Total Deductions</i>	\$4,502,671	\$4,244,879	\$3,952,459	\$3,773,691	\$3,516,873
Increase in Net Position	\$8,741,841	\$4,269,191	(\$853,538)	\$7,594,566	\$3,469,914
Net position restricted for pension benefits					
Beginning	\$67,662,532	\$63,393,341	\$64,246,879	\$56,652,313	\$53,182,399
Ending	\$76,404,373	\$67,662,532	\$63,393,341	\$64,246,879	\$56,652,313



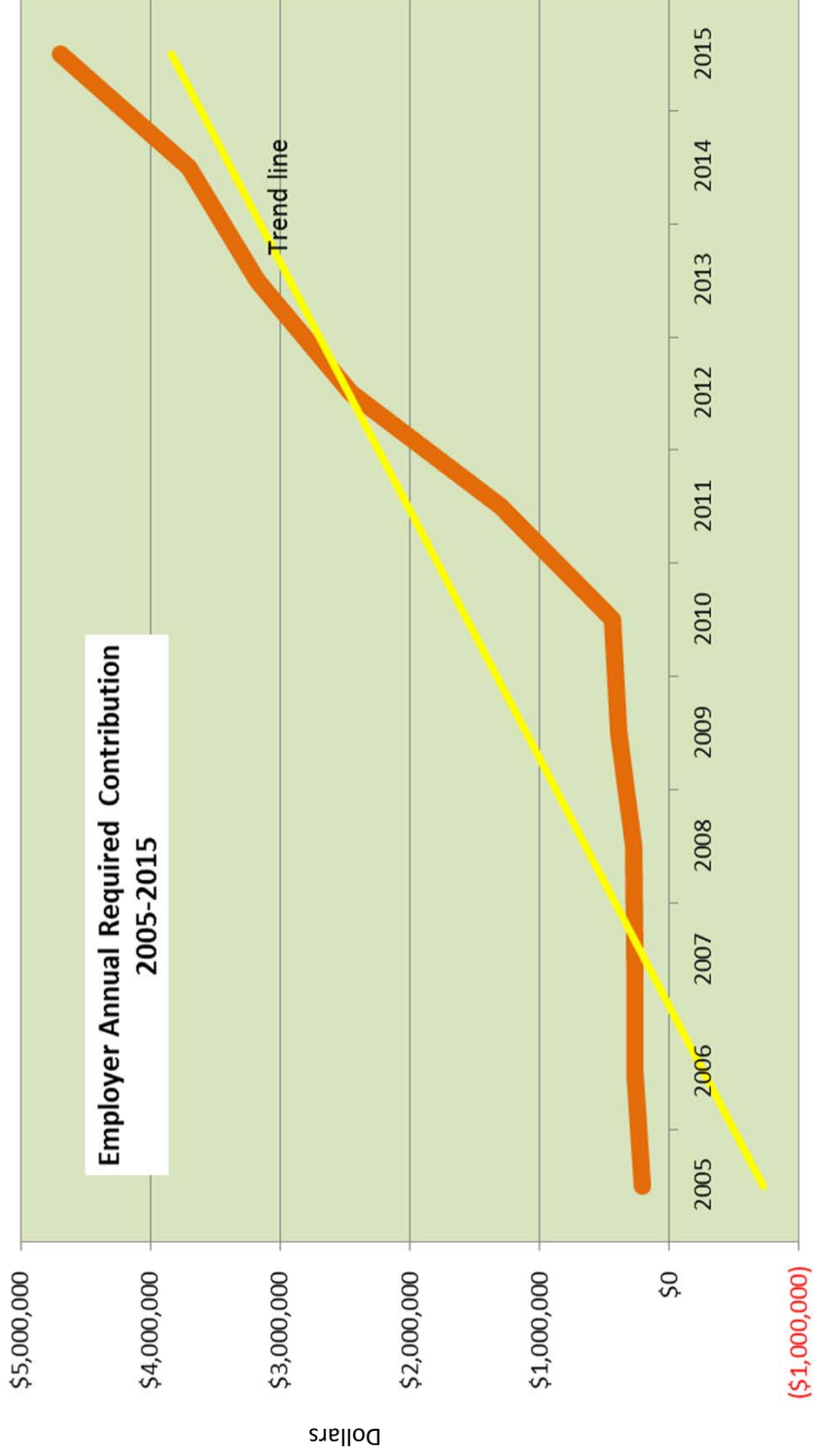
Macon-Bibb County, Georgia  
**Division A General Employees' Pension Fund**  
Combining Statement of Fiduciary Net Position

	As of June 30,				
	<u>2009</u>	<u>2008</u>	<u>2007</u>	<u>2006</u>	<u>2005</u>
<b>Additions</b>					
Employer Contributions	\$392,547	\$272,791	\$268,543	\$270,452	\$213,162
Net appreciation in fair value of investments	(\$13,819,556)	(\$8,239,346)	\$6,277,646	\$3,381,790	\$2,872,300
Investment Income	\$2,782,025	\$4,335,416	\$3,144,219	\$2,385,959	\$1,684,100
Less: Investment Expenses	(\$151,735)	(\$210,907)	(\$238,784)	(\$231,321)	(\$241,949)
Net investment Income	(\$11,189,266)	(\$4,114,837)	\$9,183,081	\$5,536,428	\$4,314,451
<i>Total Additions</i>	(\$10,796,719)	(\$3,842,046)	\$9,451,624	\$5,806,880	\$4,527,613
<b>Deductions</b>					
Benefit Payments	\$3,037,562	\$2,815,839	\$2,534,075	\$2,385,827	\$2,138,828
Administrative expenses	\$13,178	\$47,623	\$12,049	\$67,019	\$29,940
<i>Total Deductions</i>	\$3,050,740	\$2,863,462	\$2,546,124	\$2,452,846	\$2,168,768
Increase in Net Position	(\$13,847,459)	(\$6,705,508)	\$6,905,500	\$3,354,034	\$2,358,845
Net position restricted for pension benefits					
Beginning	\$67,018,953	\$73,724,461	\$66,818,961	\$63,464,927	\$61,106,082
Ending	\$53,171,494	\$67,018,953	\$73,724,461	\$66,818,961	\$63,464,927



For the fiscal year ending June 30,

The significant decline in 2009 reflects the market drop of 2008.

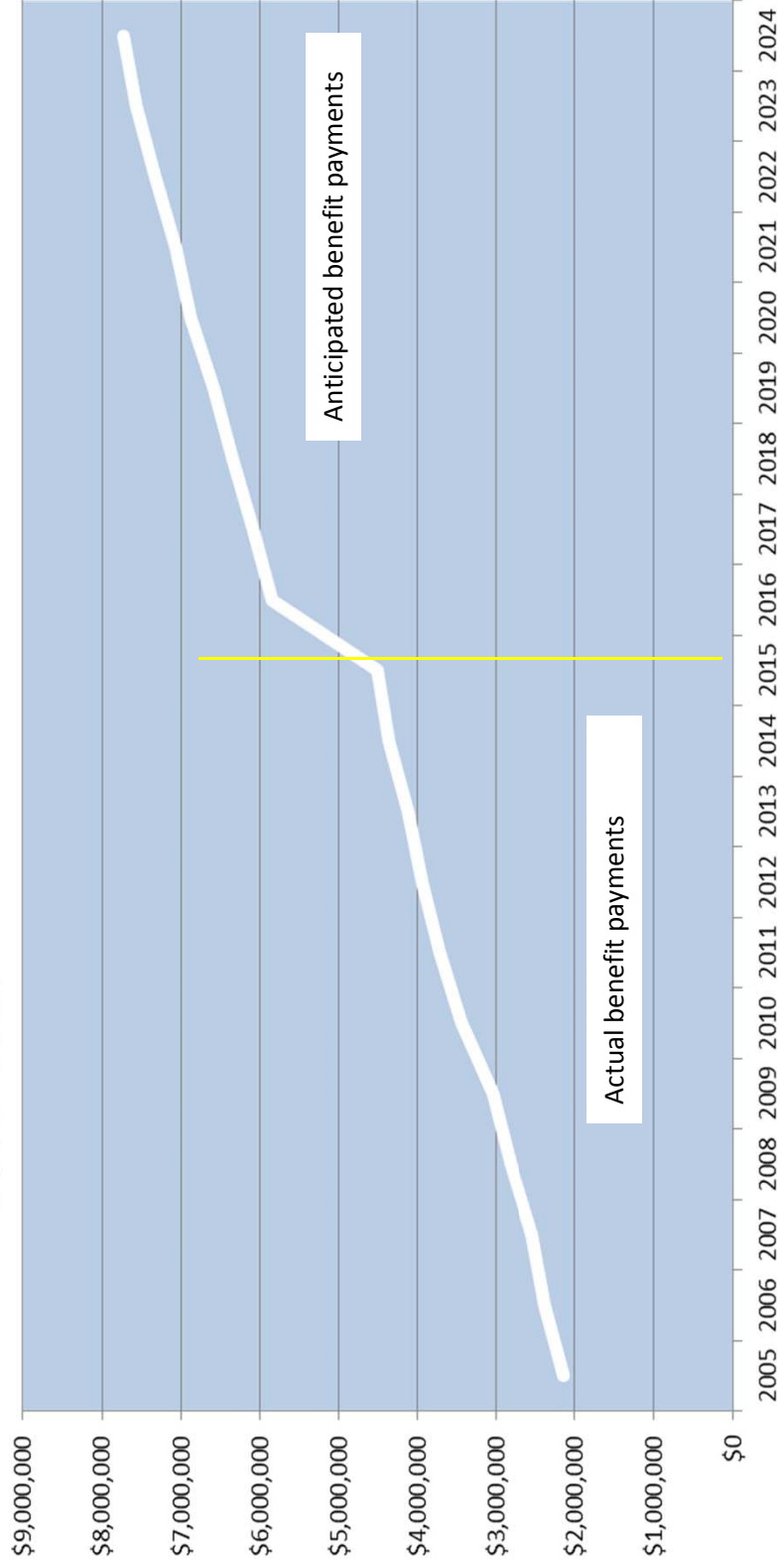


For the fiscal year ending June 30,

Employer contributes 100% of the retirement for the employees

# Annual Benefit Payments 2005-2023

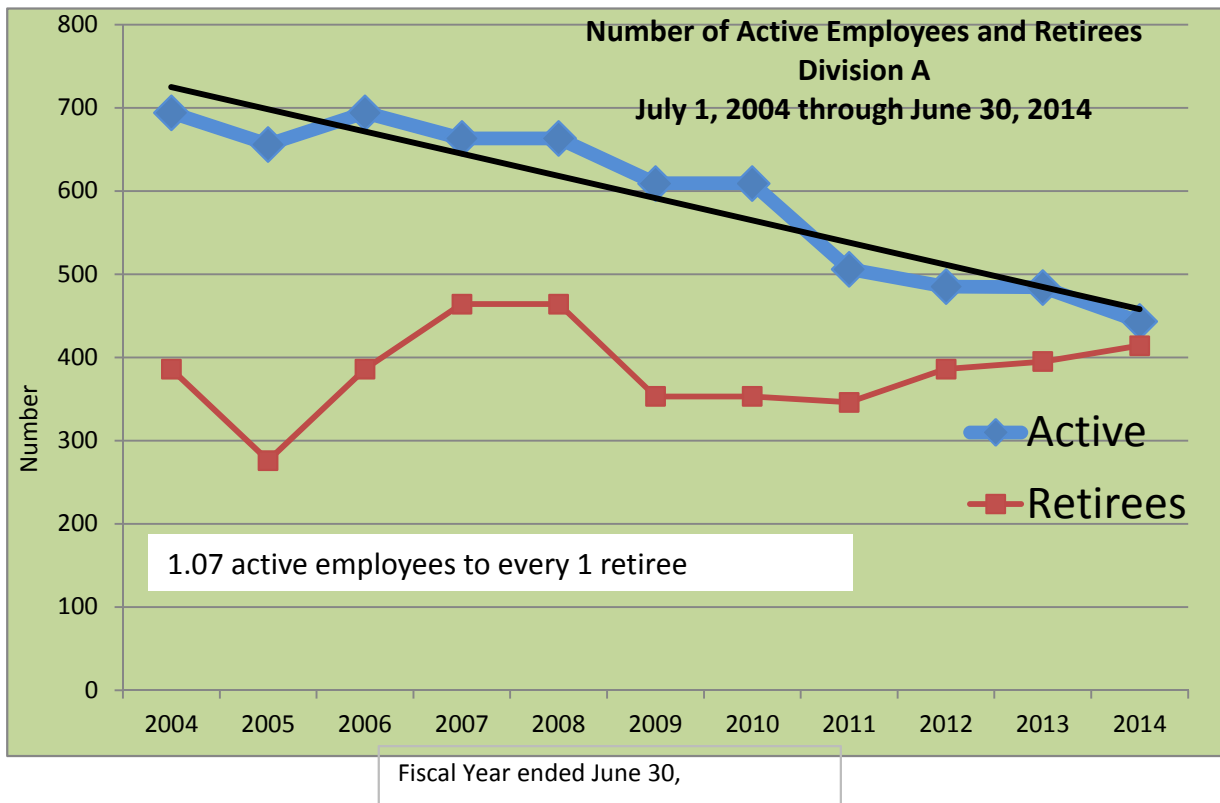
Macon-Bibb County Division A



Fiscal year ended June 30,

Macon-Bibb County, Georgia  
**Division A General Employees' Pension Fund**  
 Statistical Information

Fiscal year ended June 30,	Current Active <u>Members</u>	Retirees and beneficiaries currently receiving <u>benefits</u>	<u>Actives</u>	
			<u>Average Age</u>	<u>Average Salary</u>
2004	694	386	45.6	\$29,447
2005	656	276		
2006	694	386	46.2	\$28,356
2007	663	464		
2008	663	464	46.3	\$29,451
2009	609	353		
2010	609	353	46.9	\$31,637
2011	506	346	47.2	\$32,840
2012	485	386	46.9	\$34,154
2013	484	395	47.4	\$34,084
2014	443	414	47.8	\$35,140

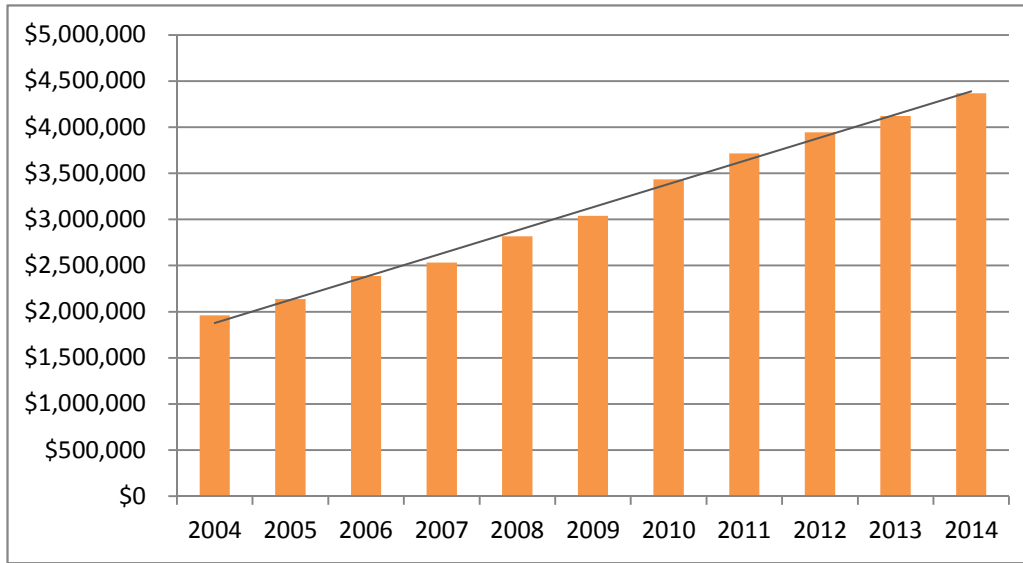


Macon-Bibb County, Georgia  
**Division A General Employees' Pension Fund**  
 Monthly Benefit Payments

Retiree  
Benefit Payments

Fiscal year ended June 30,

2004	\$1,960,546
2005	\$2,138,828
2006	\$2,385,827
2007	\$2,534,075
2008	\$2,815,839
2009	\$3,037,562
2010	\$3,434,856
2011	\$3,716,049
2012	\$3,943,148
2013	\$4,121,943
2014	\$4,365,594

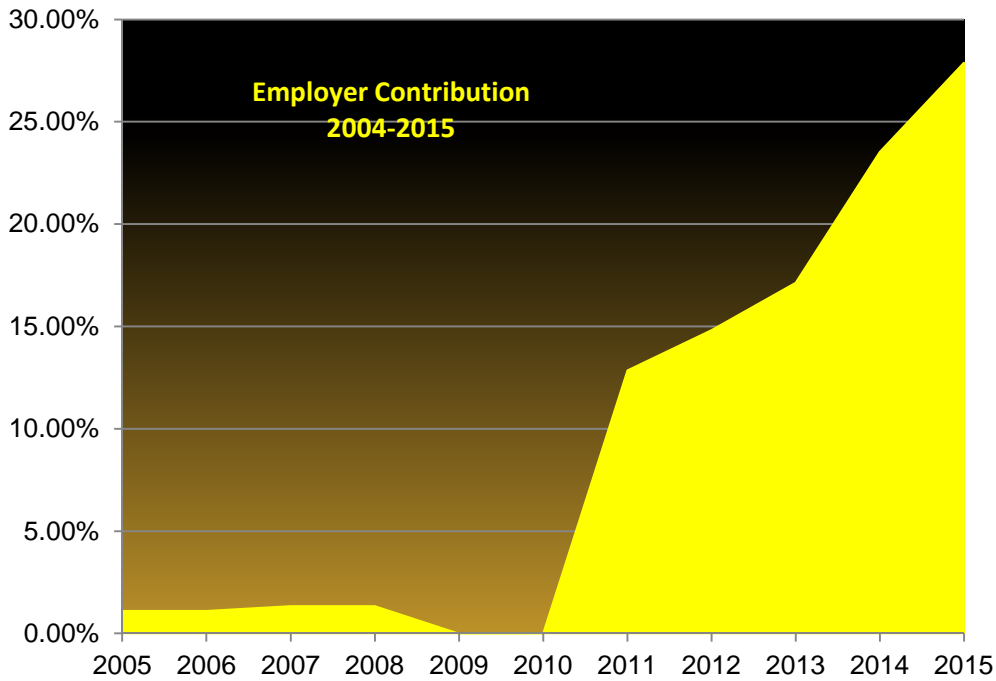


Annual payments to retirees is climbing at an increasing rate. This is anticipated to continue as the number of actives decline and the retirees increase.

Average Monthly benefit to the retirees is \$899 or \$10,788 annual retirement benefit per the latest actuarial report.

Macon-Bibb County, Georgia  
**Division A General Employees' Pension Fund**  
 Employer Contribution

Fiscal year ended June 30,	Percent of <u>Payroll</u>	<u>Payroll</u>	Annual Required <u>Contribution</u>
2004	1.07%	\$20,436,000	\$219,559
2005	1.10%	\$19,456,000	\$213,162
2006	1.10%	\$19,456,000	\$270,452
2007	1.34%	\$19,626,155	\$268,543
2008	1.34%	\$19,626,155	\$272,790
2009	0.00%	\$17,199,935	\$392,547
2010	0.00%	\$17,199,935	\$436,833
2011	12.84%	\$16,627,882	\$2,134,897
2012	14.81%	\$16,585,756	\$2,455,897
2013	17.14%	\$17,449,139	\$2,990,995
2014	23.52%	\$17,898,655	\$4,209,764
2015	27.88%	\$16,852,125	\$4,698,372

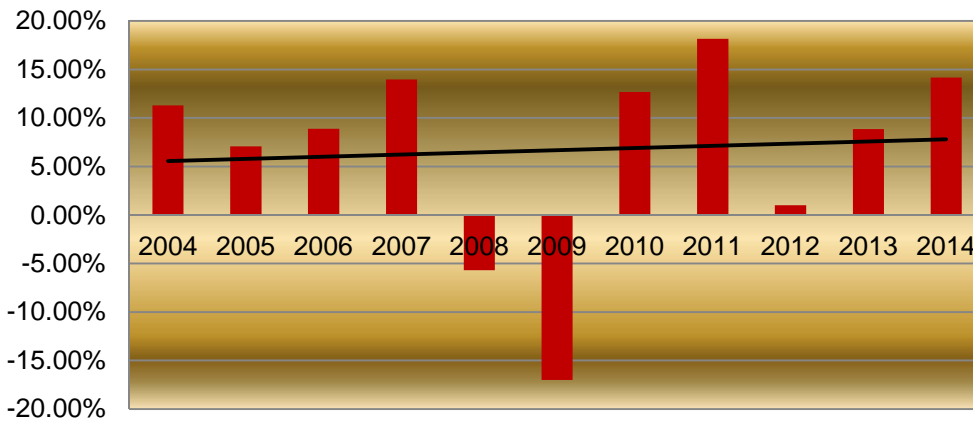


Macon-Bibb County, Georgia  
**Division A General Employees' Pension Fund**

Annual Investment Returns

Fiscal year ended June 30,	Percentage		
	Market Value <u>Return</u>	Assumed Rate of <u>Return</u>	<u>Difference</u>
2004	11.31%	8.00%	3.31%
2005	7.06%	8.00%	-0.94%
2006	8.88%	8.00%	0.88%
2007	13.98%	8.00%	5.98%
2008	-5.68%	8.00%	-13.68%
2009	-17.02%	8.00%	-25.02%
2010	12.68%	8.00%	4.68%
2011	18.16%	8.00%	10.16%
2012	1.01%	8.00%	-6.99%
2013	8.85%	8.00%	0.85%
2014	14.17%	8.00%	6.17%

**Rate of Return on Investments  
2004-2014**



Ten year annualized rate of return compared to the leading retirement systems

Teacher Retirement System of Texas	18.2
Massachusetts Pension Reserve Trust Fund	17.8
Minnesota State Board of Investments	16.2
Houston Firefighters Relief and Retirement Fund	15.8
San Francisco Employees Retirement System	15.6
Iowa Public Employees Retirement System	15.5
Utah Retirement System	15.1
New York State and Local Retirement System	14.9
California State Teachers Retirement System	14.8
Oregon Public Employees Retirement System	14.3
<b>Macon-Bibb Division A</b>	<b>5.68</b>

Source: Private equity growth capital council pension and Investments magazine November 7, 2014



**DIVISION A OF THE MACON-BIBB COUNTY  
PENSIONS AND RETIREMENT SYSTEMS**

**ACTUARIAL VALUATION  
AS OF JULY 1, 2014**

**DETERMINES THE CONTRIBUTION  
FOR THE 2015/16 FISCAL YEAR**



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December 17, 2014

## Introduction

This report presents the results of the July 1, 2014 actuarial valuation of Division A of the Macon-Bibb County Pensions and Retirement Systems. This valuation is based upon the participant data and draft asset information provided as of July 1, 2014 by Macon-Bibb County. Except for a cursory review for reasonableness including a comparison to the data provided for the previous valuation, we have not attempted to verify the accuracy of this information.

The primary purpose of this report is to provide a summary of the funded status of the plan as of July 1, 2014 and to determine the minimum required contribution under Georgia Code Section 47-20-10 for the 2015/16 plan year. In addition, this report provides a projection of the long-term funding requirements of the plan, accounting disclosures pursuant to Governmental Accounting Standards Board Statement Nos. 25 and 27 (GASB 25/27), statistical information concerning the assets held in the trust, statistical information concerning the participant population, and a summary of any recent plan changes.

The liabilities and cost presented in this report are based on numerous assumptions concerning the cost of benefits to be provided in the future, long-term investment returns, and the future demographic experience of the current participants. Anyone referring to this report should remember that the cost developed herein is only an *estimate* of the true cost of providing post-employment pension benefits. No one can predict with certainty whether the true cost will be higher or lower than the cost presented in this report. The calculated cost is entirely dependent upon the assumptions that are described in Table V-A. If any of the assumptions is changed, then the cost shown in this report will change accordingly. Likewise, if any of the assumptions is not completely realized, then the cost shown in this report will change in the future.

Certain assumptions play a bigger role than others in determining the cost of the post-employment pension benefits. In some cases, relatively small changes in a particular assumption can have a dramatic impact on the anticipated cost of benefits. Although a thorough analysis of the impact of such changes is beyond the scope of this report, Table I-B illustrates the impact that alternative long-term investment returns would have on the minimum required contribution rate.

## Minimum Required Contribution

Table I-A shows the development of the minimum required contribution for the 2015/16 plan year. The minimum required contribution rate is 27.88% of covered payroll, which represents an increase of 4.36% of payroll from the prior valuation.

Table I-C provides a breakdown of the sources of change in the contribution rate. Significantly, the rate decreased by 2.47% of payroll due to investment gains, decreased by 1.21% of payroll due to demographic experience, and



increased by 8.04% of payroll due to the assumption changes discussed below. Although the market value of assets earned a 14.17% investment return during the 2013/14 plan year, the actuarial value of assets is based on a five-year phase-in of the market value returns. On this basis, the actuarial value of assets earned 10.82% during the 2013/14 plan year, whereas an 8.00% annual investment return was required to maintain a stable contribution rate. The demographic gain occurred primarily because salary increases were less than expected.

Georgia Code Section 47-20-10 sets forth many of the rules concerning the minimum required contribution for public pension plans within the state. Essentially, the County will meet the minimum funding requirement if the employer contributions are at least equal to the annual required contribution under GASB 25/27. In addition, Georgia Code Section 47-20-13 exempts public plan sponsors from the minimum funding requirements if the plan's actuarial value of assets exceeds 150% of the present value of accumulated retirement system benefits.

Based on the current assets, participant data, and actuarial assumptions and methods that are used to value the plan, the present-day value of the total long-term funding requirement is \$94,880,721. As illustrated in Table I-A, current assets are sufficient to cover \$73,937,064 of this amount, the employer's 2014/15 expected contribution will cover \$3,848,174 of this amount, and the employer's 2015/16 expected contribution will cover \$4,698,372 of this amount, leaving \$12,397,111 to be covered by future employer funding after June 30, 2016. Again, demographic and investment experience that differs from that assumed will either increase or decrease the future employer funding requirement.

### Contents of the Report

Tables I-D through I-G provide a detailed breakdown of various liability amounts by type of benefit and by participant group. Tables II-A through II-C provide information needed by both the plan's and the employer's accountants in order to prepare the relevant financial statements that cover the period July 1, 2014 through June 30, 2015. Tables III-A through III-F provide information concerning the assets of the trust fund. Specifically, Table III-A shows the development of the actuarial value of assets, which is based on the five-year average return on the market value of assets in order to provide a more stable and predictable contribution rate for the employer. Tables IV-A through IV-G provide statistical information concerning the plan's participant population. In particular, Table IV-G gives a 10-year projection of the cash that is expected to be required from the trust fund in order to pay benefits to the current group of participants. Finally, Tables V-A through VI-B provide a summary of the actuarial assumptions and methods that are used to value the plan's benefits and of the relevant plan provisions as of July 1, 2014, as well as a summary of the changes that have occurred since the previous valuation report was prepared.

### Assumption Changes

Since the previous valuation was completed, two assumptions have been changed. First, the assumed interest (or discount) rate was decreased from 8.00% per annum to 7.50% per annum. Second, the mortality basis was updated from a 2007 projection of the RP-2000 Mortality Table to a 2015 projection. The combined effect of the assumption changes was to increase the minimum required contribution rate by 8.04% of payroll.



Certification

This actuarial valuation was prepared by me or under my direct supervision and I acknowledge responsibility for the results. To the best of my knowledge, the results are complete and accurate and, in my opinion, the techniques and assumptions used are reasonable and meet the requirements and intent of Georgia Code Section 47-20-10. There is no benefit or expense to be provided by the plan and/or paid from the plan's assets for which liabilities or current costs have not been established or otherwise taken into account in the valuation. All known events or trends which may require a material change in plan costs or required contribution rates have been taken into account in the valuation.

For the firm,



Charles T. Carr  
Consulting Actuary  
Southern Actuarial Services Company, Inc.

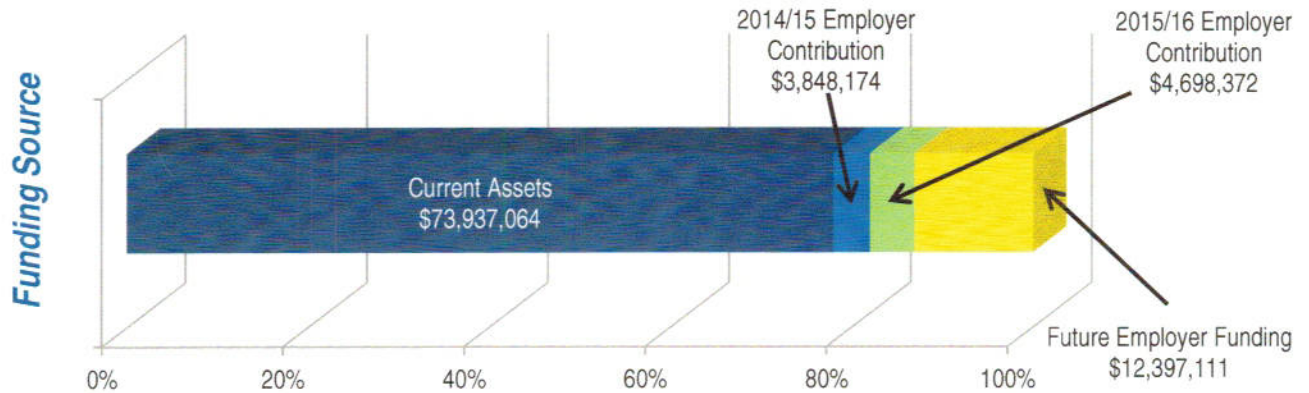
Enrolled Actuary No. 14-04927

*The individual above is a member of the American Academy of Actuaries and meets the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.*



## Minimum Required Contribution

Table I-A



### For the 2015/16 Plan Year

Present Value of Future Benefits	\$94,692,922
Present Value of Future Administrative Expenses	\$187,799
Actuarial Value of Assets	(\$73,937,064)
Present Value of Future Employee Contributions	\$0
Present Value of Future Normal Costs	\$20,943,657
<hr/>	
Present Value of Future Payroll	÷ \$75,119,763

**Minimum Required Contribution Rate** 27.88%

Expected Payroll x \$16,852,125

Estimated Minimum Required Contribution \$4,698,372

*(The actual contribution should be based on the minimum required contribution rate multiplied by the actual payroll for the year.)*

### Exemption Test Under Georgia Code Section 47-20-13

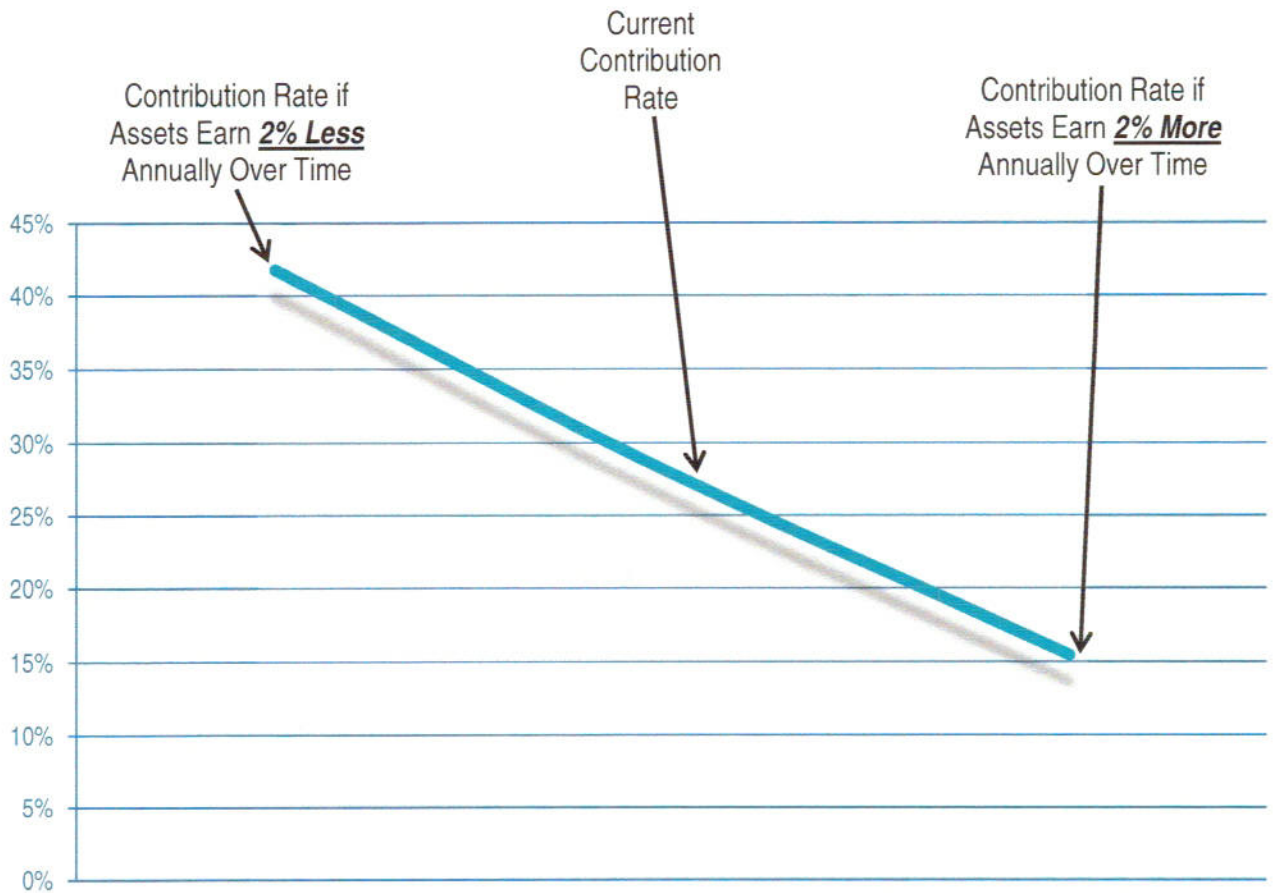
Actuarial Value of Assets	\$73,937,064
Present Value of Accumulated Retirement System Benefits	\$81,235,912
Funded Ratio	91.02%

*(If the funded ratio is at least 150%, then the plan is exempt from the State minimum funding standards.)*



Sensitivity Analysis

Table I-B



*The line above illustrates the sensitivity of the contribution rate to changes in the long-term investment return.*



Gain and Loss Analysis

Table I-C

Previous minimum required contribution rate	23.52%
Increase (decrease) due to investment gains and losses	-2.47%
Increase (decrease) due to demographic experience	-1.21%
Increase (decrease) due to plan amendments	0.00%
Increase (decrease) due to actuarial assumption changes	8.04%
Increase (decrease) due to actuarial method changes	0.00%
Current minimum required contribution rate	<u>27.88%</u>





## Present Value of Future Benefits

Table I-D

	Old Assumptions <u>w/o Amendment</u>	Old Assumptions <u>w/ Amendment</u>	New Assumptions <u>w/ Amendment</u>
<u>Actively Employed Participants</u>			
Retirement benefits	\$33,021,835	\$33,021,835	\$35,582,620
Termination benefits	\$4,941,666	\$4,941,666	\$5,542,147
Disability benefits	\$871,376	\$871,376	\$946,716
Death benefits	\$186,221	\$186,221	\$335,161
Refund of employee contributions	\$0	\$0	\$0
Sub-total	<b>\$39,021,098</b>	<b>\$39,021,098</b>	<b>\$42,406,644</b>
<u>Deferred Vested Participants</u>			
Retirement benefits	\$6,433,351	\$6,433,351	\$6,999,591
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	<b>\$6,433,351</b>	<b>\$6,433,351</b>	<b>\$6,999,591</b>
<u>Due a Refund of Contributions</u>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<u>Deferred Beneficiaries</u>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<u>Retired Participants</u>			
Service retirements	\$36,488,181	\$36,488,181	\$38,501,145
Disability retirements	\$3,705,856	\$3,705,856	\$3,923,436
Beneficiaries receiving	\$2,732,591	\$2,732,591	\$2,862,106
DROP participants	\$0	\$0	\$0
Sub-total	<b>\$42,926,628</b>	<b>\$42,926,628</b>	<b>\$45,286,687</b>
<u>Grand Total</u>	<b><u>\$88,381,077</u></b>	<b><u>\$88,381,077</u></b>	<b><u>\$94,692,922</u></b>



## Present Value of Accrued Benefits

Table I-E

	Old Assumptions <u>w/o Amendment</u>	Old Assumptions <u>w/ Amendment</u>	New Assumptions <u>w/ Amendment</u>
<i><u>Actively Employed Participants</u></i>			
Retirement benefits	\$23,068,502	\$23,068,502	\$24,694,896
Termination benefits	\$3,016,563	\$3,016,563	\$3,355,331
Disability benefits	\$644,522	\$644,522	\$697,197
Death benefits	\$112,885	\$112,885	\$202,210
Refund of employee contributions	\$0	\$0	\$0
Sub-total	<b>\$26,842,472</b>	<b>\$26,842,472</b>	<b>\$28,949,634</b>
<i><u>Deferred Vested Participants</u></i>			
Retirement benefits	\$6,433,351	\$6,433,351	\$6,999,591
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	<b>\$6,433,351</b>	<b>\$6,433,351</b>	<b>\$6,999,591</b>
<i><u>Due a Refund of Contributions</u></i>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<i><u>Deferred Beneficiaries</u></i>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<i><u>Retired Participants</u></i>			
Service retirements	\$36,488,181	\$36,488,181	\$38,501,145
Disability retirements	\$3,705,856	\$3,705,856	\$3,923,436
Beneficiaries receiving	\$2,732,591	\$2,732,591	\$2,862,106
DROP participants	\$0	\$0	\$0
Sub-total	<b>\$42,926,628</b>	<b>\$42,926,628</b>	<b>\$45,286,687</b>
<i><u>Grand Total</u></i>	<b><u>\$76,202,451</u></b>	<b><u>\$76,202,451</u></b>	<b><u>\$81,235,912</u></b>



Present Value of Vested Benefits

Table I-F

	Old Assumptions w/o Amendment	Old Assumptions w/ Amendment	New Assumptions w/ Amendment
<u>Actively Employed Participants</u>			
Retirement benefits	\$23,068,502	\$23,068,502	\$24,694,896
Termination benefits	\$2,668,961	\$2,668,961	\$2,958,661
Disability benefits	\$559,460	\$559,460	\$603,891
Death benefits	\$109,499	\$109,499	\$196,458
Refund of employee contributions	\$0	\$0	\$0
Sub-total	<b>\$26,406,422</b>	<b>\$26,406,422</b>	<b>\$28,453,906</b>
<u>Deferred Vested Participants</u>			
Retirement benefits	\$6,433,351	\$6,433,351	\$6,999,591
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	<b>\$6,433,351</b>	<b>\$6,433,351</b>	<b>\$6,999,591</b>
<u>Due a Refund of Contributions</u>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<u>Deferred Beneficiaries</u>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<u>Retired Participants</u>			
Service retirements	\$36,488,181	\$36,488,181	\$38,501,145
Disability retirements	\$3,705,856	\$3,705,856	\$3,923,436
Beneficiaries receiving	\$2,732,591	\$2,732,591	\$2,862,106
DROP participants	\$0	\$0	\$0
Sub-total	<b>\$42,926,628</b>	<b>\$42,926,628</b>	<b>\$45,286,687</b>
<u>Grand Total</u>	<b><u>\$75,766,401</u></b>	<b><u>\$75,766,401</u></b>	<b><u>\$80,740,184</u></b>



## Entry Age Normal Accrued Liability

Table I-G

	<u>Old Assumptions w/o Amendment</u>	<u>Old Assumptions w/ Amendment</u>	<u>New Assumptions w/ Amendment</u>
<i><u>Actively Employed Participants</u></i>			
Retirement benefits	\$28,600,304	\$28,600,304	\$30,566,026
Termination benefits	\$3,969,588	\$3,969,588	\$4,401,371
Disability benefits	\$670,706	\$670,706	\$721,188
Death benefits	\$148,226	\$148,226	\$264,702
Refund of employee contributions	\$0	\$0	\$0
Sub-total	<b>\$33,388,824</b>	<b>\$33,388,824</b>	<b>\$35,953,287</b>
<i><u>Deferred Vested Participants</u></i>			
Retirement benefits	\$6,433,351	\$6,433,351	\$6,999,591
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	<b>\$6,433,351</b>	<b>\$6,433,351</b>	<b>\$6,999,591</b>
<i><u>Due a Refund of Contributions</u></i>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<i><u>Deferred Beneficiaries</u></i>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<i><u>Retired Participants</u></i>			
Service retirements	\$36,488,181	\$36,488,181	\$38,501,145
Disability retirements	\$3,705,856	\$3,705,856	\$3,923,436
Beneficiaries receiving	\$2,732,591	\$2,732,591	\$2,862,106
DROP participants	\$0	\$0	\$0
Sub-total	<b>\$42,926,628</b>	<b>\$42,926,628</b>	<b>\$45,286,687</b>
<i><u>Grand Total</u></i>	<b><u>\$82,748,803</u></b>	<b><u>\$82,748,803</u></b>	<b><u>\$88,239,565</u></b>



## GASB 25/27 Results

Table II-A

**Development of the Net Pension Obligation (Asset)**

Net Pension Obligation (Asset) as of July 1, 2013	(\$302,544)
Annual Pension Cost for the 2013/14 Plan Year	\$3,867,663
Employer Contributions for the 2013/14 Plan Year	<u>(\$3,712,060)</u>
Net Increase (Decrease) in NPO	\$155,603
<b>Net Pension Obligation (Asset) as of July 1, 2014</b>	<b><u><u>(\$146,941)</u></u></b>



**Schedule of Employer Contributions**

Year Ended	Annual		Annual	
	Required	%	Pension	%
<u>June 30</u>	<u>Contribution</u>	<u>Contrib.</u>	<u>Cost</u>	<u>Contrib.</u>
2009	\$0	100%	(\$2,887)	0%
2010	\$0	100%	(\$2,934)	0%
2011	\$2,214,834	96%	\$2,211,302	97%
2012	\$2,209,223	111%	\$2,207,142	111%
2013	\$3,053,599	98%	\$3,046,795	98%
2014	\$3,873,408	96%	\$3,867,663	96%

**Schedule of Funding Progress**

Actuarial Valuation Date	(1)	(2)	(3)	(4)	(5)	(6)
	Actuarial Value of Assets	Actuarial Accrued Liability * (AAL)	Unfunded AAL (UAAL) <b>(2) - (1)</b>	Funded Ratio <b>(1) ÷ (2)</b>	Covered Payroll	UAAL as % of Covered Payroll <b>(3) ÷ (5)</b>
Not Applicable	N/A	N/A	N/A	N/A	N/A	N/A
July 1, 2010	\$66,314,901	\$70,630,093	\$4,315,192	93.89%	\$16,627,882	25.95%
July 1, 2011	\$66,969,366	\$74,561,975	\$7,592,609	89.82%	\$16,585,756	45.78%
July 1, 2012	\$66,155,121	\$78,010,933	\$11,855,812	84.80%	\$17,449,139	67.94%
July 1, 2013	\$67,470,067	\$80,012,170	\$12,542,103	84.32%	\$17,377,335	72.18%
July 1, 2014	\$73,937,064	\$88,239,565	\$14,302,501	83.79%	\$16,361,286	87.42%

\* The AAL has been calculated under the entry age normal cost method.

**Additional Information**

Valuation Date **July 1, 2014**

Actuarial Cost Method **Aggregate**

Amortization Method **Level percentage, open**

Remaining Amortization Period **30 years**

Asset Valuation Method **Five-year smoothed market value**

Discount Rate **7.50%**

Salary Increase Rate **3.00%**



SFAS 35 Disclosures

Table II-C

**Actuarial Present Value of Accrued Benefits**

	<u>As of July 1, 2013</u>	<u>As of July 1, 2014</u>
<i>Vested Benefits</i>		
Participants currently receiving benefits	\$40,367,377	\$45,286,687
Other participants	\$32,427,549	\$35,453,497
Sub-total	<u>\$72,794,926</u>	<u>\$80,740,184</u>
<i>Non-Vested Benefits</i>	\$485,828	\$495,728
<i>Total Benefits</i>	<u><u>\$73,280,754</u></u>	<u><u>\$81,235,912</u></u>
<i>Funded Percentage</i>	92.33%	94.05%
(based on the market value of assets)		

**Statement of Change in Actuarial Present Value of Accrued Benefits**

<i>Actuarial Present Value as of July 1, 2013</i>	<b>\$73,280,754</b>
<i>Increase (Decrease) Due To:</i>	
Interest	\$5,862,460
Benefits accumulated	\$1,424,831
Benefits paid	(\$4,365,594)
Plan amendments	\$0
Changes in actuarial methods and assumptions	\$5,033,461
Net increase (decrease)	<u>\$7,955,158</u>
<i>Actuarial Present Value as of July 1, 2014</i>	<u><u>\$81,235,912</u></u>



Actuarial Value of Assets

Table III-A

Market Value Rate of Return

For the 2009/10 plan year	12.68%		Average return for the preceding five years
For the 2010/11 plan year	18.16%		10.82%
For the 2011/12 plan year	1.01%		
For the 2012/13 plan year	8.85%		
For the 2013/14 plan year	14.17%		

Actuarial Value of Assets as of July 1, 2013	\$67,470,067
Plus contributions for the 2013/14 plan year	\$3,712,060
Minus benefit payments and administrative expenses for the 2013/14 plan year	(\$4,502,671)
Plus/minus advance employer contribution	\$0
Adjustment for interest at the average rate shown above, but restricted to an amount that keeps the actuarial value of assets within an 80%-120% corridor of the market value	\$7,257,608

**Actuarial Value of Assets as of July 1, 2014** **\$73,937,064**

<u>Historical Actuarial Value of Assets</u>	
July 1, 2005	\$63,464,927
July 1, 2006	\$66,818,961
July 1, 2007	\$73,724,461
July 1, 2008	\$71,138,626
July 1, 2009	\$68,613,754
July 1, 2010	\$66,314,901
July 1, 2011	\$66,969,366
July 1, 2012	\$66,155,121
July 1, 2013	\$67,470,067
July 1, 2014	\$73,937,064



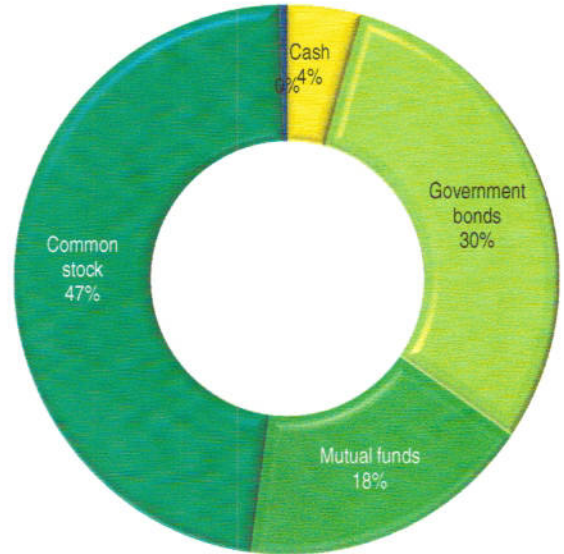


Market Value of Assets

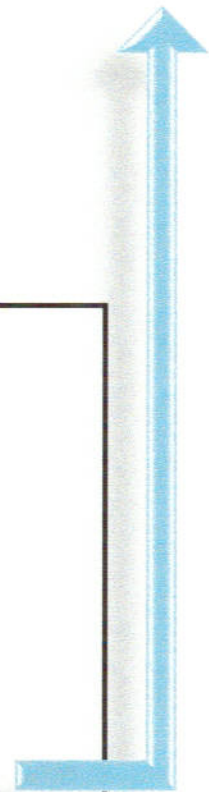
Table III-B

**As of July 1, 2014**

<b>Market Value of Assets</b>	<b><u>\$76,404,373</u></b>
Cash	\$3,382,061
Government bonds	\$23,274,818
Mutual funds	\$13,503,543
Common stock	\$36,410,032
Accrued interest receivable	\$103,830
Prepaid expenses	\$3,543
Accounts payable	(\$273,454)

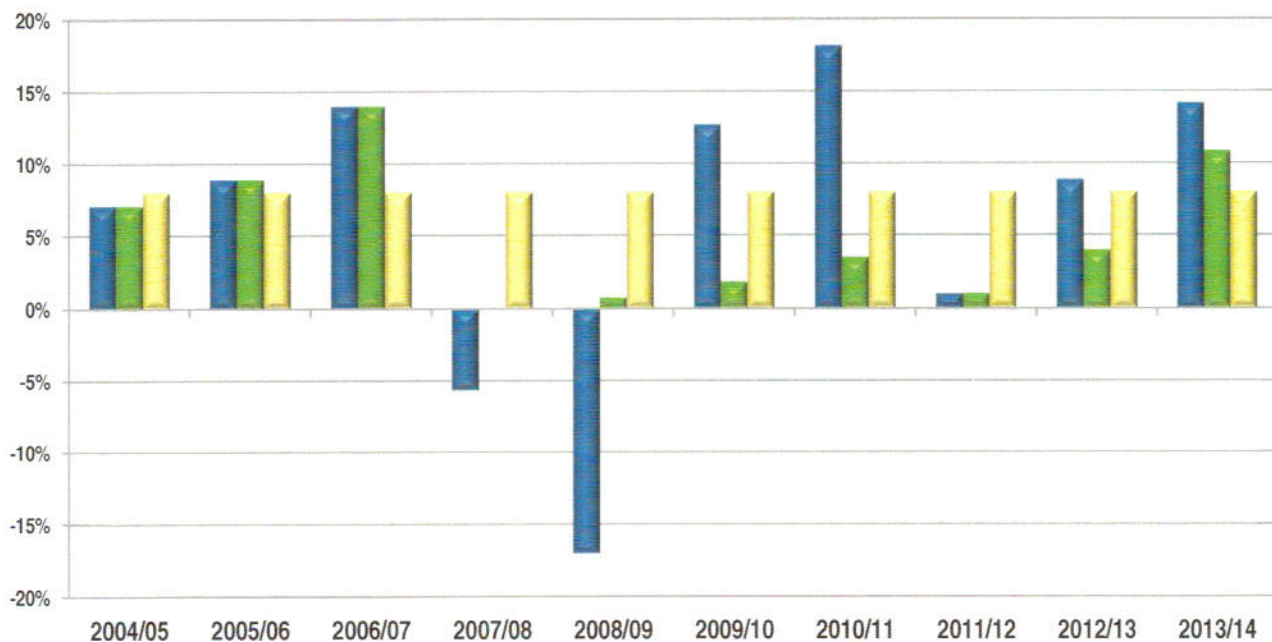


<b>Historical Market Value of Assets</b>	
July 1, 2005	\$63,464,927
July 1, 2006	\$66,818,961
July 1, 2007	\$73,724,461
July 1, 2008	\$67,018,954
July 1, 2009	\$53,182,399
July 1, 2010	\$56,652,313
July 1, 2011	\$64,246,879
July 1, 2012	\$63,393,341
July 1, 2013	\$67,662,534
July 1, 2014	\$76,404,373



Investment Return

Table III-C



Annual Investment Returns

- Market Value Return
- Actuarial Value Return
- Assumed Return

Plan Year	Market Value Return	Actuarial Value Return	Assumed Return
2004/05	7.06%	7.06%	8.00%
2005/06	8.88%	8.88%	8.00%
2006/07	13.98%	13.98%	8.00%
2007/08	-5.68%	0.01%	8.00%
2008/09	-17.02%	0.76%	8.00%
2009/10	12.68%	1.82%	8.00%
2010/11	18.16%	3.50%	8.00%
2011/12	1.01%	1.03%	8.00%
2012/13	8.85%	3.97%	8.00%
2013/14	14.17%	10.82%	8.00%
10yr. Avg.	5.68%	5.09%	8.00%



## Asset Reconciliation

## Table III-D

	<u>Market Value</u>	<u>Actuarial Value</u>
<b>As of July 1, 2013</b>	<b>\$67,662,534</b>	<b>\$67,470,067</b>
<b><i>Increases Due To:</i></b>		
Employer Contributions	\$3,712,060	\$3,712,060
Employee Contributions	\$0	\$0
Service Purchase Contributions	\$0	\$0
Total Contributions	\$3,712,060	\$3,712,060
Interest and Dividends	\$2,208,758	
Realized Gains (Losses)	\$0	
Unrealized Gains (Losses)	\$7,712,892	
Total Investment Income	\$9,921,650	\$7,257,608
Other Income	\$0	
<b>Total Income</b>	<b>\$13,633,710</b>	<b>\$10,969,668</b>
<b><i>Decreases Due To:</i></b>		
Monthly Benefit Payments	(\$4,365,594)	(\$4,365,594)
Refund of Employee Contributions	\$0	\$0
Total Benefit Payments	(\$4,365,594)	(\$4,365,594)
Investment Expenses	(\$389,200)	
Administrative Expenses	(\$137,077)	(\$137,077)
Advance Employer Contribution		\$0
<b>Total Expenses</b>	<b>(\$4,891,871)</b>	<b>(\$4,502,671)</b>
<b>As of July 1, 2014</b>	<b>\$76,404,373</b>	<b>\$73,937,064</b>



## Historical Trust Fund Detail

Table III-E

**Income**

<b>Plan Year</b>	<b>Employer Contribs.</b>	<b>Employee Contribs.</b>	<b>Service</b>		<b>Realized Gains / Losses</b>	<b>Unrealized Gains / Losses</b>	<b>Other Income</b>
			<b>Purchase Contribs.</b>	<b>Interest / Dividends</b>			
2004/05	\$213,162	\$0	\$0	\$1,679,398	\$0	\$2,806,744	\$4,702
2005/06	\$270,452	\$0	\$0	\$2,367,218	\$0	\$3,381,790	\$18,741
2006/07	\$268,543	\$0	\$0	\$0	\$0	\$9,183,081	\$0
2007/08	\$272,790	\$0	\$0	\$4,287,381	\$0	-\$8,239,344	\$48,035
2008/09	\$392,547	\$0	\$0	\$2,782,025	\$0	-\$13,819,557	\$10,905
2009/10	\$436,833	\$0	\$0	\$1,255,335	\$0	\$5,453,808	\$0
2010/11	\$1,305,517	\$0	\$0	\$1,327,051	\$0	\$8,781,305	\$17,284
2011/12	\$2,455,897	\$0	\$0	\$1,051,227	\$0	-\$296,886	\$0
2012/13	\$2,990,995	\$0	\$0	\$1,309,832	\$0	\$4,650,099	\$0
2013/14	\$3,712,060	\$0	\$0	\$2,208,758	\$0	\$7,712,892	\$0

**Expenses**

<b>Plan Year</b>	<b>Monthly Benefit Payments</b>	<b>Contrib. Refunds</b>	<b>Admin. Expenses</b>	<b>Invest. Expenses</b>	<b>Other Actuarial Adjustments Advance Employer Contribs.</b>
2005/06	\$2,385,827	\$0	\$67,019	\$231,321	\$0
2006/07	\$2,534,075	\$0	\$12,049	\$0	\$0
2007/08	\$2,815,839	\$0	\$47,623	\$210,907	\$0
2008/09	\$3,037,562	\$0	\$13,178	\$151,735	\$392,547
2009/10	\$3,434,856	\$0	\$82,017	\$159,189	\$436,833
2010/11	\$3,716,049	\$0	\$57,642	\$62,900	-\$829,380
2011/12	\$3,943,148	\$0	\$9,311	\$111,317	\$0
2012/13	\$4,121,943	\$0	\$153,440	\$406,350	\$0
2013/14	\$4,365,594	\$0	\$137,077	\$389,200	\$0

Note: Information was not available for certain plan years to separate the investment expenses from the investment income and administrative expenses nor to separate the investment income by source.



## Other Reconciliations

Table III-F

**Advance Employer Contribution**

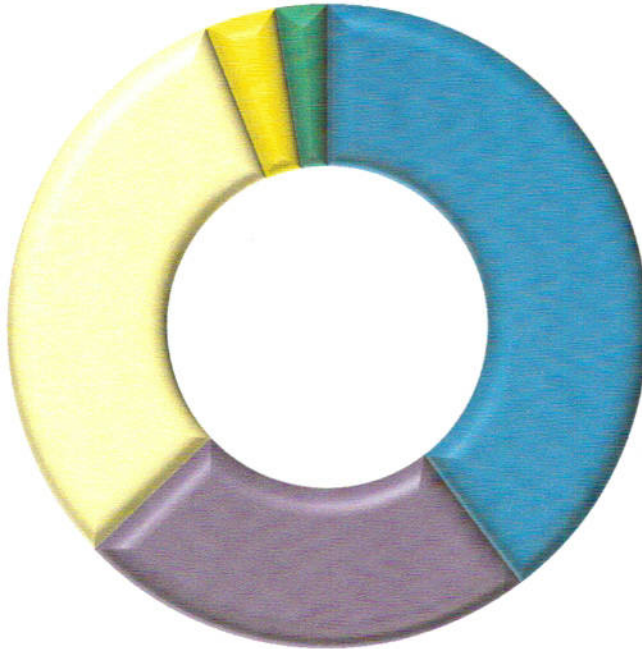
Advance Employer Contribution as of July 1, 2013	\$0
Additional Employer Contribution	\$3,712,060
Minimum Required Contribution	<u>(\$3,712,060)</u>
Net Increase in Advance Employer Contribution	\$0
Advance Employer Contribution as of July 1, 2014	<u><u>\$0</u></u>



Summary of Participant Data

Table IV-A

As of July 1, 2014



Participant Distribution by Status

Actively Employed Participants

◆ Active Participants	443
◆ DROP Participants	0

Inactive Participants

◆ Deferred Vested Participants	260
◆ Due a Refund of Contributions	0
◆ Deferred Beneficiaries	0

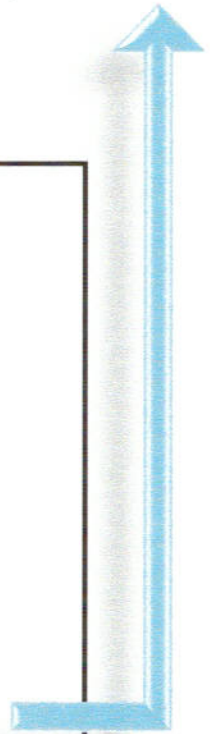
Participants Receiving a Benefit

◆ Service Retirements	345
◆ Disability Retirements	40
◆ Beneficiaries Receiving	29

**Total Participants 1,117**

Number of Participants Included in Prior Valuations

	<i>Active</i>	<i>DROP</i>	<i>Inactive</i>	<i>Retired</i>	<i>Total</i>
July 1, 2005	N/A	N/A	N/A	N/A	N/A
July 1, 2006	663	0	169	295	1,127
July 1, 2007	N/A	N/A	N/A	N/A	N/A
July 1, 2008	609	0	223	353	1,185
July 1, 2009	N/A	N/A	N/A	N/A	N/A
July 1, 2010	506	0	259	346	1,111
July 1, 2011	519	0	253	363	1,135
July 1, 2012	485	0	258	386	1,129
July 1, 2013	484	0	255	395	1,134
July 1, 2014	443	0	260	414	1,117



## Data Reconciliation

Table IV-B

	<u>Active</u>	<u>DROP</u>	<u>Deferred Vested</u>	<u>Due a Refund</u>	<u>Def. Benef.</u>	<u>Service Retiree</u>	<u>Disabled Retiree</u>	<u>Benef. Rec'v.</u>	<u>Total</u>
<u>July 1, 2013</u>	484	0	255	0	0	325	41	29	1,134
<u>Change in Status</u>									
<i>Re-employed</i>									
<i>Terminated</i>	(34)		10						(24)
<i>Retired</i>	(21)		(5)			26			
<u>Participation Ended</u>									
<i>Transferred Out</i>									
<i>Cashed Out</i>									
<i>Died</i>	(1)					(7)	(1)		(9)
<u>Participation Began</u>									
<i>Newly Hired</i>	15								15
<i>Transferred In</i>									
<i>New Beneficiary</i>								3	3
<u>Other Adjustment</u>									
<i>Other Adjustment</i>						1		(3)	(2)
<u>July 1, 2014</u>	443	0	260	0	0	345	40	29	1,117

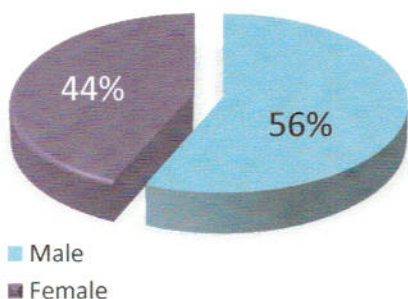


Active Participant Data

Table IV-C

As of July 1, 2014

Gender Mix



Average Age	47.8 years
Average Service	12.7 years
Total Annualized Compensation for the Prior Year	\$15,567,075
Total Expected Compensation for the Current Year	\$16,361,286
Average Increase in Compensation for the Prior Year	2.43%
Expected Increase in Compensation for the Current Year	3.00%

Actual vs. Expected Salary Increases



Active Participant Statistics From Prior Valuations

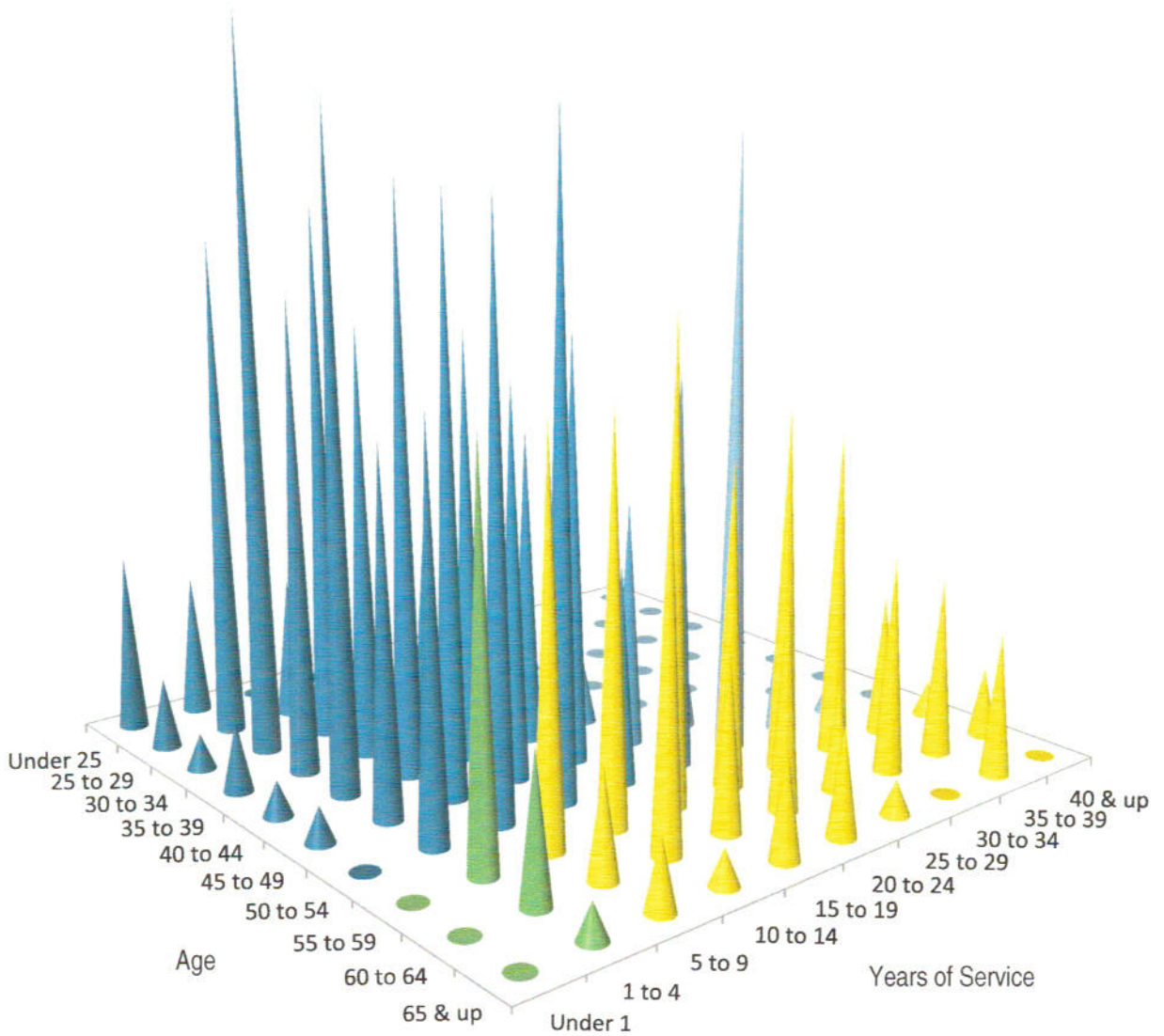
	Average Age	Average Service	Average Salary	Average Expected Salary Increase	Average Actual Salary Increase
July 1, 2005	N/A	N/A	N/A	N/A	N/A
July 1, 2006	46.2	11.5	\$28,356	4.50%	-3.70%
July 1, 2007	N/A	N/A	N/A	N/A	N/A
July 1, 2008	46.3	11.5	\$29,451	4.50%	3.86%
July 1, 2009	N/A	N/A	N/A	3.00%	0.46%
July 1, 2010	46.9	11.4	\$31,637	3.00%	0.00%
July 1, 2011	47.2	11.6	\$32,840	3.00%	3.21%
July 1, 2012	46.9	11.8	\$34,154	3.00%	5.59%
July 1, 2013	47.4	12.1	\$34,084	3.00%	1.71%
July 1, 2014	47.8	12.7	\$35,140	3.00%	2.43%





# Active Age-Service Distribution

Table IV-D



- ▲ Eligible to retire
- ▲ May be eligible to retire
- ▲ Not eligible to retire



Active Age-Service-Salary Table

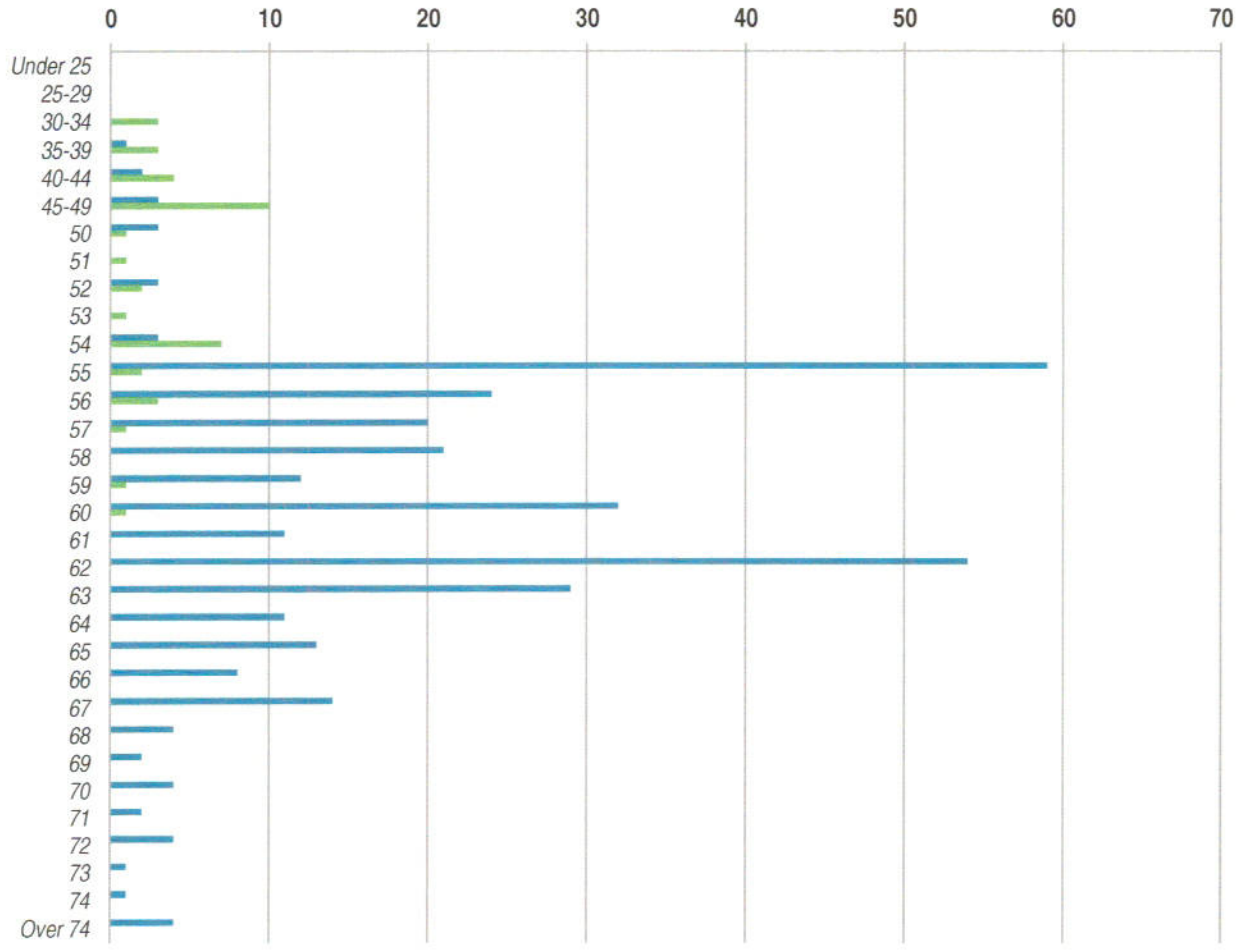
Table IV-E

Attained Age	Completed Years of Service										Total	
	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 & up		
<b>Under 25</b>	5	4	0	0	0	0	0	0	0	0	0	9
Avg.Pay	23,475	26,936	0	0	0	0	0	0	0	0	0	25,013
<b>25 to 29</b>	2	14	4	0	0	0	0	0	0	0	0	20
Avg.Pay	25,002	24,794	24,778	0	0	0	0	0	0	0	0	24,811
<b>30 to 34</b>	1	20	15	2	0	0	0	0	0	0	0	38
Avg.Pay	68,016	33,369	28,436	36,816	0	0	0	0	0	0	0	32,515
<b>35 to 39</b>	2	13	12	6	1	0	0	0	0	0	0	34
Avg.Pay	37,138	26,798	27,784	28,111	32,822	0	0	0	0	0	0	28,163
<b>40 to 44</b>	1	18	16	12	9	2	0	0	0	0	0	58
Avg.Pay	22,360	39,240	34,718	38,730	39,439	33,728	0	0	0	0	0	37,437
<b>45 to 49</b>	1	10	16	11	12	7	3	1	0	0	0	61
Avg.Pay	22,651	34,586	31,788	33,586	32,254	33,057	36,899	25,626	0	0	0	32,809
<b>50 to 54</b>	0	11	16	18	6	11	17	5	1	0	0	85
Avg.Pay	0	29,224	31,522	31,260	41,039	28,452	34,068	40,161	46,363	0	0	32,635
<b>55 to 59</b>	0	11	11	11	13	9	10	9	4	1	0	79
Avg.Pay	0	35,629	37,665	34,713	32,678	35,525	32,325	45,541	61,869	32,011	0	37,281
<b>60 to 64</b>	0	4	3	10	5	6	3	6	5	2	0	44
Avg.Pay	0	43,566	76,829	30,264	47,590	41,115	43,174	39,874	65,836	35,797	0	44,581
<b>65 &amp; up</b>	0	1	2	1	3	3	1	0	4	0	0	15
Avg.Pay	0	163,405	33,270	57,782	34,798	38,834	71,301	0	54,793	0	0	53,273
<b>Total</b>	12	106	95	71	49	38	34	21	14	3	0	443
Avg.Pay	29,557	33,716	33,041	33,542	36,494	34,072	35,704	41,692	60,157	34,535	0	35,140



Inactive Participant Data

Table IV-F



Retirement Age

- Service Retirements
- Disability Retirements
- DROP Participants

Average Monthly Benefit

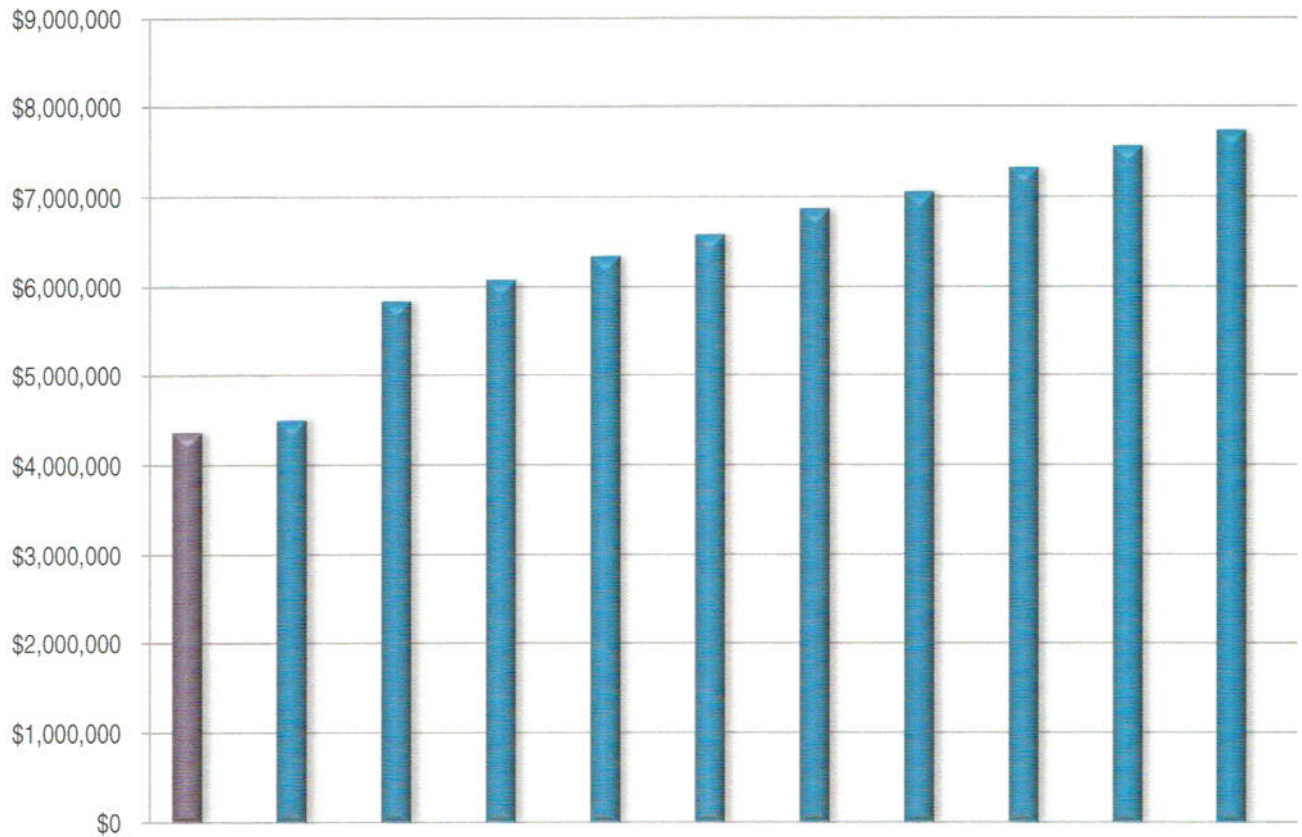
Service Retirements	\$920.60
Disability Retirements	\$718.06
Beneficiaries Receiving	\$959.83
DROP Participants	Not applicable

Deferred Vested Participants	\$268.82
Deferred Beneficiaries	Not applicable



Projected Benefit Payments

Table IV-G



Actual

For the period July 1, 2013 through June 30, 2014

\$4,365,594

Projected

For the period July 1, 2014 through June 30, 2015

\$4,500,470

For the period July 1, 2015 through June 30, 2016

\$5,841,720

For the period July 1, 2016 through June 30, 2017

\$6,079,604

For the period July 1, 2017 through June 30, 2018

\$6,347,215

For the period July 1, 2018 through June 30, 2019

\$6,589,481

For the period July 1, 2019 through June 30, 2020

\$6,871,074

For the period July 1, 2020 through June 30, 2021

\$7,063,256

For the period July 1, 2021 through June 30, 2022

\$7,324,731

For the period July 1, 2022 through June 30, 2023

\$7,566,583

For the period July 1, 2023 through June 30, 2024

\$7,733,388



## Summary of Actuarial Methods and Assumptions

Table V-A

1. **Actuarial Cost Method**

Aggregate cost method. Under this actuarial cost method, a funding cost is developed for the plan as a level percentage of payroll. The level funding percentage is calculated as the excess of the total future benefit liability over accumulated assets and future employee contributions, with this excess spread over the expected future payroll for current active participants. The normal cost is equal to the level funding percentage multiplied by the expected payroll for the year immediately following the valuation date. The actuarial accrued liability is equal to the accumulated assets. Therefore, under the aggregate cost method, no unfunded accrued liability is developed.

2. **Asset Method**

The actuarial value of assets is equal to the prior year's actuarial value of assets adjusted for contributions, benefit payments, and expenses and further adjusted by the average return on the market value of assets for the preceding five years; the actuarial value of assets is restricted to 80% to 120% of the market value.

3. **Interest (or Discount) Rate**

7.50% per annum

4. **Salary Increases**

Plan compensation is assumed to increase at the rate of 3.00% per annum, unless actual plan compensation is known for a prior plan year.

5. **Decrements**

- Pre-retirement mortality: Sex-distinct rates set forth in the RP-2000 Mortality Table for annuitants, projected to 2015 by Scale AA, as published by the Internal Revenue Service (IRS) for purposes of Internal Revenue Code (IRC) section 430
- Post-retirement mortality: Sex-distinct rates set forth in the RP-2000 Mortality Table for annuitants, projected to 2015 by Scale AA, as published by the Internal Revenue Service (IRS) for purposes of Internal Revenue Code (IRC) section 430
- Disability: Disability rates set forth in the 1964 OASDI Table



Summary of Actuarial Methods and Assumptions

Table V-A

(continued)

- Termination: A sample of the withdrawal rates is set forth in the following table:

<u>Age</u>	<u>Rate</u>	<u>Age</u>	<u>Rate</u>	<u>Age</u>	<u>Rate</u>	<u>Age</u>	<u>Rate</u>
20	21.67%	30	18.22%	40	11.01%	50	5.52%
25	21.67%	35	14.76%	45	7.27%	55	3.76%

- Retirement: Retirement is assumed to occur at age 60.

No decrements are assumed during the year immediately following the valuation date.

6. **Form of Payment**

Future retirees are assumed to elect the 10-year certain and life annuity.

7. **Contingent Annuitants**

85% of participants who die prior to retirement are assumed to have a surviving spouse of the opposite gender; males are assumed to be three years older than females for this purpose.

8. **Expenses**

Administrative expenses are assumed to be 0.25% of future payroll. In addition, the interest rate set forth in item 3. above is assumed to be net of investment expenses and commissions.

9. **Cost-of-Living Adjustment**

We have assumed that all eligible retirees will receive an automatic cost-of-living adjustment equal to 1.50% per annum.



## Changes in Actuarial Methods and Assumptions

Table V-B

Since the previous valuation was completed, two assumptions were changed as follows:

- (1) The assumed interest (or discount) rate was decreased from 8.00% per annum to 7.50% per annum.
- (2) The mortality basis was updated from a 2007 projection of the RP-2000 Mortality Table to a 2015 projection.



## Summary of Plan Provisions

## Table VI-A

### 1. Monthly Accrued Benefit

*For individuals who were participants in the plan as of June 30, 1984:*

Greater of: (a) 2.00% of Average Monthly Compensation multiplied by Years of Service, offset by 1.50% of his Primary Social Security Benefit multiplied by up to 33 $\frac{1}{3}$  Years of Service; or (b) 1.52% of Average Monthly Compensation up to \$1,250.00 multiplied by Years of Service plus 1.90% of Average Monthly Compensation in excess of \$1,250.00 multiplied by Years of Service

*For all other participants:*

1.52% of Average Monthly Compensation up to \$1,250.00 multiplied by Years of Service plus 1.90% of Average Monthly Compensation in excess of \$1,250.00 multiplied by Years of Service

### 2. Normal Retirement Age and Benefit

- **Age**

Age 60 (participants hired after October 16, 2007 must have earned at least five Years of Service to be eligible for a normal retirement benefit)

- **Amount**

Monthly Accrued Benefit

- **Form of Payment**

Five-year certain and life annuity (normal form of payment);  
Actuarially equivalent 10-year certain and life annuity (optional);  
Actuarially equivalent 66 $\frac{2}{3}$ % joint and contingent annuity (optional);  
Actuarially equivalent 100% joint and contingent annuity (optional);  
Actuarially equivalent social security level income annuity (optional); or  
Actuarially equivalent single lump sum payment (mandatory if the monthly pension benefit is less than \$25.00)

### 3. Early Retirement Age and Benefit

- **Age**

Age 55 (participants hired after October 16, 2007 must have earned at least five Years of Service to be eligible for an early retirement benefit)

- **Amount**

Monthly Accrued Benefit (*payable at age 60*); or  
Monthly Accrued Benefit reduced 5% for each year by which the participant's Early Retirement Age precedes age 60 (*payable at Early Retirement Age*)

- **Form of Payment**

Same as for Normal Retirement





Summary of Plan Provisions

Table VI-A

(continued)

4. **Delayed Retirement Age and Benefit**

- **Age**  
After Normal Retirement Age
- **Amount**  
Monthly Accrued Benefit
- **Form of Payment**  
Same as for Normal Retirement

5. **Disability Retirement Eligibility and Benefit**

- **Eligibility**  
Any age with at least five Years of Service
- **Condition**  
The participant must be determined to be totally and permanently disabled by the Social Security Administration; alternatively, the Retirement Committee may determine that the participant is totally and permanently disabled.
- **Amount**  
Greater of: (a) 50% of Average Monthly Compensation minus 50% of the participant's Social Security disability benefit, increased by 0.50% of Average Monthly Compensation for each completed Year of Service in excess of five years; or (b) Monthly Accrued Benefit
- **Form of Payment**  
Same as for Normal Retirement

6. **Deferred Vested Benefit**

- **Age**  
Any age with at least five Years of Service
- **Amount**  
Monthly Accrued Benefit multiplied by the participant's Vested Percentage and payable at age 60 or at age 55 with a 5% annual reduction for the earlier commencement of the benefit
- **Form of Payment**  
Same as for Normal Retirement



Summary of Plan Provisions

Table VI-A

(continued)

**7. Pre-Retirement Death Benefit**

*For married participants who die prior to retirement and who have earned at least five Years of Service:*  
50% of the Monthly Accrued Benefit payable immediately for the life of the spouse

*For all other participants who die prior to retirement, but who are eligible for early or normal retirement, and who have earned at least five Years of Service:*  
Monthly Accrued Benefit, reduced for early retirement if applicable, payable immediately for five years

**8. Vested Percentage**

Retirement benefits become vested in accordance with the following schedule:

Years of Creditable Service	Vested Percentage
Less than five	0%
At least five, but less than six	25%
At least six, but less than seven	30%
At least seven, but less than eight	35%
At least eight, but less than nine	40%
At least nine, but less than 10	45%
At least 10, but less than 11	50%
At least 11, but less than 12	60%
At least 12, but less than 13	70%
At least 13, but less than 14	80%
At least 14, but less than 15	90%
At least 15	100%

**9. Average Monthly Compensation**

The participant's Average Monthly Compensation is equal to the average of the participant's W-2 compensation (including deferred compensation) for the highest 36 consecutive months during his period of service.



Summary of Plan Provisions

Table VI-A

(continued)

**10. Employee Contribution**

Prior to July 1, 1985, all participating employees were required to make an employee contribution to the plan; a participant who terminates his employment for any reason (or his eligible beneficiary) and who is not otherwise entitled to a monthly benefit will receive a refund of his Employee Contribution.

**11. Years of Service**

Years of Service are equal to the years and completed calendar months of employment.

**12. Participation Requirement**

All regular employees hired prior to 2014 by the City of Macon who work at least 30 hours per week are eligible to participate in the plan, including employees of the Planning and Zoning Commission, but excluding police officers, firefighters, the mayor, County Commission members, the judge of the municipal court, management interns, and employees who are not classified as full-time and permanent.

**13. Automatic Cost-of-Living Adjustment (COLA)**

A participant who is entitled to a monthly annuity receives an automatic annual compounded COLA based on the Consumer Price Index, but limited to 1.50%, as of each January 1 after one year of retirement, unless such COLA is suspended by an act of the County Commission based on the financial condition of the pension fund.

**14. Primary Social Security Benefit**

The monthly social security benefit that is payable at age 65 without regard to subsequent employment after the employee's termination of employment with Macon-Bibb County

**15. Actuarial Equivalence**

Based on 7.00% interest per annum and the mortality table promulgated by the Internal Revenue Commissioner for purposes of determining lump sum distributions pursuant to IRC section 417(e)(3)

**16. Original Effective Date of the Amended Plan**

July 1, 1972



## Summary of Plan Amendments

Table VI-B

Since the completion of the previous valuation, the plan has been amended to exclude employees hired after 2013 due to the consolidation of the City of Macon and Bibb County governments.



DIVISION A OF THE MACON-BIBB COUNTY  
PENSIONS AND RETIREMENT SYSTEMS

ACTUARIAL VALUATION  
AS OF JULY 1, 2013

GASB 67/68 SUPPLEMENT



**DISCLOSURES RELATED TO DIVISION A OF THE MACON-BIBB COUNTY PENSIONS AND RETIREMENT SYSTEMS**

**NET PENSION LIABILITY AS OF JUNE 30, 2014**

Total pension liability	\$97,024,024 *
Less fiduciary net position	<u>(76,404,373)</u>
<b>Net pension liability</b>	<b><u>\$20,619,651 **</u></b>

\* This amount has been rolled forward from July 1, 2013.

\*\* This amount is recognized on the employer's balance sheet.

**PENSION EXPENSE FOR THE 2013/14 FISCAL YEAR**

Service cost	\$2,011,261
Other recognized changes in net pension liability:	
Expected interest growth	1,686,007
Investment gain/loss	(1,026,553)
Demographic gain/loss	0
Employee contributions	0
Benefit payments & refunds	201,385
Administrative expenses	137,077
Changes in benefit terms	0
Assumption changes	<u>0</u>
<b>Pension expense</b>	<b><u>\$3,009,177*</u></b>

\* This amount is recognized on the employer's income statement, along with the employer contribution for the 2013/14 fiscal year.

**DEFERRED INFLOW AND OUTFLOW OF RESOURCES**

	Deferred Outflows Of Resources	Deferred Inflows Of Resources
Balance as of June 30, 2013	\$0	\$0
Change due to:		
Investment gain/loss	\$0	\$4,106,211
Demographic gain/loss	\$0	\$0
Changes in benefit terms	\$0	\$0
Assumption changes	\$0	\$0
Total change	\$0	\$0
Balance as of June 30, 2014	<b>\$0 *</b>	<b>\$4,106,211 *</b>

\* These amounts are recognized on the employer's balance sheet.

**DISCLOSURES RELATED TO DIVISION A OF THE MACON-BIBB COUNTY PENSIONS AND RETIREMENT SYSTEMS (continued)**

**DEFERRED INFLOW AND OUTFLOW OF RESOURCES (continued)**

Amortization schedule for deferred outflows and inflows of resources:

	Deferred Outflows Of Resources	Deferred Inflows Of Resources
Balance as of June 30, 2014	\$0	\$4,106,211
Amount recognized in the 2014/15 pension expense:		
<i>Investment gain/loss</i>	\$0	\$1,026,553
<i>Demographic gain/loss</i>	\$0	\$0
<i>Changes in benefit terms</i>	\$0	\$0
<i>Assumption changes</i>	\$0	\$0
<i>Total</i>	\$0	\$0
Balance as of June 30, 2015	\$0	\$3,079,658
Amount recognized in the 2015/16 pension expense:		
<i>Investment gain/loss</i>	\$0	\$1,026,553
<i>Demographic gain/loss</i>	\$0	\$0
<i>Changes in benefit terms</i>	\$0	\$0
<i>Assumption changes</i>	\$0	\$0
<i>Total</i>	\$0	\$0
Balance as of June 30, 2016	\$0	\$2,053,105
Amount recognized in the 2016/17 pension expense:		
<i>Investment gain/loss</i>	\$0	\$1,026,553
<i>Demographic gain/loss</i>	\$0	\$0
<i>Changes in benefit terms</i>	\$0	\$0
<i>Assumption changes</i>	\$0	\$0
<i>Total</i>	\$0	\$0
Balance as of June 30, 2017	\$0	\$1,026,552
Amount recognized in the 2017/18 pension expense:		
<i>Investment gain/loss</i>	\$0	\$1,026,552
<i>Demographic gain/loss</i>	\$0	\$0
<i>Changes in benefit terms</i>	\$0	\$0
<i>Assumption changes</i>	\$0	\$0
<i>Total</i>	\$0	\$0
Balance as of June 30, 2018	\$0	\$0
Amount recognized in the 2018/19 pension expense:		
<i>Investment gain/loss</i>	\$0	\$0
<i>Demographic gain/loss</i>	\$0	\$0
<i>Changes in benefit terms</i>	\$0	\$0
<i>Assumption changes</i>	\$0	\$0
<i>Total</i>	\$0	\$0
Balance as of June 30, 2019	\$0	\$0

**DISCLOSURES RELATED TO DIVISION A OF THE MACON-BIBB COUNTY PENSIONS AND RETIREMENT SYSTEMS (continued)**

**CHANGES IN THE NET PENSION LIABILITY**

	Total Pension Liability	Fiduciary Net Position	Net Pension Liability
Balance as of June 30, 2013	\$93,091,279	\$(67,662,534)	\$25,428,745
Change due to:			
<i>Service cost</i>	\$2,011,261	\$0	\$2,011,261
<i>Expected interest growth</i>	\$6,085,693	\$(4,399,686)	\$1,686,007
<i>Unexpected investment income</i>	\$0	\$(5,132,764)	\$(5,132,764)
<i>Demographic experience</i>	\$0	\$0	\$0
<i>Employer contributions</i>	\$0	\$(3,712,060)	\$(3,712,060)
<i>Employee contributions</i>	\$0	\$0	\$0
<i>Benefit payments &amp; refunds</i>	\$(4,164,209)	\$4,365,594	\$201,385
<i>Administrative expenses</i>	\$0	\$137,077	\$137,077
<i>Changes in benefit terms</i>	\$0	\$0	\$0
<i>Assumption changes</i>	\$0	\$0	\$0
Balance as of June 30, 2014	\$97,024,024	\$(76,404,373)	\$20,619,651

**COMPARISON OF NET PENSION LIABILITY USING ALTERNATIVE DISCOUNT RATES**

	Discount Rate Minus 1.00%	6.54% Discount Rate	Discount Rate Plus 1.00%
Total pension liability	\$108,548,467	\$97,024,024	\$87,379,101
Less fiduciary net position	<u>(76,404,373)</u>	<u>(76,404,373)</u>	<u>(76,404,373)</u>
Net pension liability	\$32,144,094	\$20,619,651	\$10,974,728

**HISTORICAL TREND INFORMATION**

Historical changes in the net pension liability are not available since this is the first measurement period to which GASB 67 applies.

Measurement Date	Total Pension Liability	Fiduciary Net Position	Net Pension Liability	Funded Percentage	Covered Payroll	Net Pension Liability as a % of Covered Payroll
June 30, 2014	\$97,024,024	\$76,404,373	\$20,619,651	78.75%	\$17,377,335	118.66%
July 1, 2013	\$93,091,279	\$67,662,534	\$25,428,745	72.68%	\$17,377,335	146.33%
July 1, 2012	\$78,010,933	\$66,155,121	\$11,855,812	84.80%	\$17,449,139	67.94%
July 1, 2011	\$74,561,975	\$66,969,366	\$7,592,609	89.82%	\$16,585,756	45.78%
July 1, 2010	\$70,630,093	\$66,314,901	\$4,315,192	93.89%	\$16,627,882	25.95%
July 1, 2008	\$63,182,135	\$71,138,626	\$0	112.59%	\$17,199,935	0.00%
July 1, 2006	\$59,033,041	\$66,818,961	\$0	113.19%	\$19,626,155	0.00%

Fiscal Year End	(1) Actuarially Determined Contribution	(2) Contributions Recognized By the Plan	(3) Difference Between (1) and (2)	Covered Payroll	Column (3) as a % of Covered Payroll
June 30, 2014	\$3,712,060	\$3,712,060	\$0	\$17,377,335	0.00%
June 30, 2013	\$2,990,995	\$2,990,995	\$0	\$17,449,139	0.00%
June 30, 2012	\$2,455,897	\$2,455,897	\$0	\$16,585,756	0.00%
June 30, 2011	\$2,134,897	\$2,134,897	\$0	\$16,627,882	0.00%
June 30, 2010	\$0	\$0	\$0	Not available	Not available
June 30, 2009	\$0	\$0	\$0	\$17,199,935	0.00%
June 30, 2008	\$272,790	\$272,790	\$0	Not available	Not available
June 30, 2007	\$268,543	\$268,543	\$0	\$19,626,155	0.00%
June 30, 2006	\$270,452	\$270,452	\$0	Not available	Not available
June 30, 2005	\$213,162	\$213,162	\$0	Not available	Not available



**DISCLOSURES RELATED TO DIVISION A OF THE MACON-BIBB COUNTY PENSIONS AND RETIREMENT SYSTEMS (continued)**

**INFORMATION USED TO DETERMINE THE NET PENSION LIABILITY**

Employer's reporting date: June 30, 2014  
 Measurement date: June 30, 2014  
 Actuarial valuation date: July 1, 2013

**Actuarial assumptions**

Discount rate: 6.54% per annum (2.00% per annum is attributable to long-term inflation); this rate was used to discount all future benefit payments.  
 Salary increases: 3.00% per annum  
 Cost-of-living increases: 1.50% per annum  
 Mortality basis: Sex-distinct rates set forth in the RP-2000 Mortality Table, projected to 2007 by Scale AA, as published by the Internal Revenue Service (IRS) for purposes of Internal Revenue Code (IRC) section 430; future generational improvements in mortality have not been reflected.  
 Retirement: Age 60  
 Other decrements: Assumed employment termination is based on age; termination rates range from 21.67% at age 20 to 3.76% at age 55; assumed disability is based on the 1964 OASDI Table.  
 Non-investment expenses: 0.25% of future payroll  
 Future contributions: Contributions from the employer are assumed to be made as legally required; contributions are assumed to equal \$3,848,174 for the 2014/15 fiscal year and to equal \$4,698,372 for the 2015/16 fiscal year.  
 Changes: The actuarial assumptions did not change from the prior measurement date since GASB 67 is first effective for this measurement period.

**DETERMINATION OF THE LONG-TERM EXPECTED RATE OF RETURN ON PLAN ASSETS**

Investment Category	Target Allocation	Expected Long-Term Real Return
Domestic equity	50.00%	6.00% per annum
International equity	14.00%	6.00% per annum
Domestic fixed income	35.00%	2.00% per annum
Cash	1.00%	0.00% per annum
Total or weighted arithmetic average	100.00%	4.54% per annum

**PENSION PLAN DESCRIPTION**

Name of the pension plan: Division A of the Macon-Bibb County Pensions and Retirement Systems  
 Legal plan administrator: Macon-Bibb County  
 Plan type: Single-employer defined benefit pension plan  
 Number of covered individuals: 1,134 (395 inactive employees and beneficiaries currently receiving benefits; 255 inactive employees entitled to but not yet receiving benefits; 484 active employees)  
 Contribution requirement: Employer contributions are actuarially determined and are subject to State minimums.  
 Pension plan reporting: The plan issues a stand-alone financial report each year, which contains information about the plan's fiduciary net position. The plan's fiduciary net position has been determined on the same basis used by the pension plan and is equal to the market value of assets calculated under the accrual basis of accounting. This report is available to the public at the plan's administrative office: Human Resources Department, City Hall Annex, 4<sup>th</sup> Floor, 682 Cherry Street, Macon, GA 31201, (478) 751-2720.

**Description of the benefit terms**

Employees covered: Regular employees of Macon-Bibb County who work at least 30 hours per week and who were hired prior to 2014, including employees of the Planning and Zoning Commission, but excluding public safety employees, the mayor, County Commission members, the judge of the municipal court, management interns, and employees not classified as full-time and permanent  
 Types of benefits offered: Retirement, disability, and pre-retirement death benefits  
 Basic pension formula: Greater of: (i) 2.00% of average monthly earnings x service minus 1.50% of primary social security benefit x up to 33-1/3 years of service, or (ii) 1.52% of average monthly earnings up to \$1,250 x service plus 1.90% of average monthly earnings above \$1,250 x service (for employees as of June 30, 1984)  
 1.52% of average monthly earnings up to \$1,250 x service plus 1.90% of average monthly earnings above \$1,250 x service (for employees hired after June 30, 1984)

**DISCLOSURES RELATED TO DIVISION A OF THE MACON-BIBB COUNTY PENSIONS AND RETIREMENT SYSTEMS (continued)**

**PENSION PLAN DESCRIPTION (continued)**

**Description of the benefit terms (continued)**

Early retirement adjustment:	<i>Retirement benefit is reduced by 5.00% for each year by which the participant's early retirement age precedes his normal retirement age.</i>
Disability pension:	<i>Greater of: (i) 50% of average monthly earnings minus 50% of social security disability pension plus 0.50% of average monthly earnings for each completed year of service in excess of five years, or (ii) basic pension formula (disability pension requires five years of service)</i>
Pre-retirement death benefit:	<i>50% of basic pension formula, payable immediately for life to the spouse of a participant who has earned at least five years of service; basic pension formula, reduced for early retirement if applicable, payable immediately for five years to the non-spouse beneficiary of a participant who has earned at least five years of service and who was eligible for immediate retirement at the time of death</i>
Normal retirement age:	<i>Age 60 (requires five years of service if hired after October 16, 2007)</i>
Early retirement age:	<i>Age 55 (requires five years of service if hired after October 16, 2007)</i>
Vesting requirement:	<i>25% vested at five years of service, plus an additional 5% vested for each of the next five years of service, plus an additional 10% vested for each of the next five years of service, up to 100% vested at 15 years of service</i>
Form of payment:	<i>Five-year certain and life annuity Actuarially equivalent 10-year certain and life annuity Actuarially equivalent 66-2/3% joint and contingent annuity Actuarially equivalent 100% joint and contingent annuity Actuarially equivalent social security level income annuity</i>
Average earnings:	<i>Average of the highest 36 consecutive months of W-2 earnings</i>
Cost-of-living adjustment:	<i>1.50% per annum as of each January 1 at least one year after retirement, unless suspended by the County Commission</i>
Legal authority:	<i>Plan was initially established as of July 1, 1972 by City ordinance and has been amended numerous times since that date.</i>
Changes:	<i>The benefit terms did not change from the prior measurement date since GASB 67 is first effective for this measurement period.</i>

DISCLOSURES RELATED TO DIVISION A OF THE MACON-BIBB COUNTY PENSIONS AND RETIREMENT SYSTEMS (continued)

PROJECTION OF THE FIDUCIARY NET POSITION

Date	BOY Balance	Contributions	Benefit Payments	Administrative Expenses	Investment Earnings	EOY Balance
July 1, 2013	\$67,662,534	\$3,712,060	\$4,365,594	\$137,077	\$9,532,450	\$76,404,373
July 1, 2014	\$76,404,373	\$3,848,174	\$5,374,887	\$168,768	\$4,534,139	\$79,243,031
July 1, 2015	\$79,243,031	\$4,698,372	\$5,648,892	\$177,372	\$4,721,238	\$82,836,377
July 1, 2016	\$82,836,377	\$4,113,425	\$5,923,904	\$186,007	\$4,911,160	\$85,751,051
July 1, 2017	\$85,751,051	\$3,987,602	\$6,196,355	\$194,562	\$5,074,014	\$88,421,750
July 1, 2018	\$88,421,750	\$3,850,528	\$6,467,370	\$203,071	\$5,221,940	\$90,823,777
July 1, 2019	\$90,823,777	\$3,701,641	\$6,678,850	\$209,712	\$5,355,212	\$92,992,068
July 1, 2020	\$92,992,068	\$3,540,356	\$6,950,781	\$218,250	\$5,472,250	\$94,835,643
July 1, 2021	\$94,835,643	\$3,366,061	\$7,203,463	\$226,184	\$5,570,007	\$96,342,064
July 1, 2022	\$96,342,064	\$3,178,123	\$7,442,685	\$233,696	\$5,647,542	\$97,491,348
July 1, 2023	\$97,491,348	\$2,975,879	\$7,591,890	\$238,381	\$5,705,970	\$98,342,926
July 1, 2024	\$98,342,926	\$2,758,639	\$7,873,581	\$247,226	\$5,742,054	\$98,722,812
July 1, 2025	\$98,722,812	\$2,525,688	\$8,070,646	\$253,413	\$5,751,951	\$98,676,392
July 1, 2026	\$98,676,392	\$2,276,276	\$8,166,265	\$256,416	\$5,738,877	\$98,268,864
July 1, 2027	\$98,268,864	\$2,009,627	\$8,254,535	\$259,187	\$5,703,851	\$97,468,620
July 1, 2028	\$97,468,620	\$1,724,929	\$8,302,104	\$260,681	\$5,645,970	\$96,276,734
July 1, 2029	\$96,276,734	\$1,421,342	\$8,278,803	\$259,949	\$5,566,192	\$94,725,516
July 1, 2030	\$94,725,516	\$1,097,987	\$8,346,288	\$262,068	\$5,461,502	\$92,676,649
July 1, 2031	\$92,676,649	\$753,951	\$8,337,036	\$261,778	\$5,328,681	\$90,160,467
July 1, 2032	\$90,160,467	\$388,285	\$8,257,846	\$259,291	\$5,169,315	\$87,200,930
July 1, 2033	\$87,200,930	\$0	\$8,266,208	\$259,554	\$4,980,009	\$83,655,177
July 1, 2034	\$83,655,177	\$0	\$8,229,781	\$258,410	\$4,768,374	\$79,935,360
July 1, 2035	\$79,935,360	\$0	\$8,011,244	\$251,548	\$4,551,849	\$76,224,417
July 1, 2036	\$76,224,417	\$0	\$7,802,243	\$244,986	\$4,335,565	\$72,512,753
July 1, 2037	\$72,512,753	\$0	\$7,607,982	\$238,886	\$4,118,788	\$68,784,673
July 1, 2038	\$68,784,673	\$0	\$7,387,562	\$231,965	\$3,901,824	\$65,066,970
July 1, 2039	\$65,066,970	\$0	\$7,165,537	\$224,994	\$3,685,532	\$61,361,971
July 1, 2040	\$61,361,971	\$0	\$6,921,953	\$217,345	\$3,470,659	\$57,693,332
July 1, 2041	\$57,693,332	\$0	\$6,709,355	\$210,670	\$3,257,023	\$54,030,330
July 1, 2042	\$54,030,330	\$0	\$6,461,366	\$202,883	\$3,044,805	\$50,410,886
July 1, 2043	\$50,410,886	\$0	\$6,162,029	\$193,484	\$2,836,765	\$46,892,138
July 1, 2044	\$46,892,138	\$0	\$5,850,056	\$183,688	\$2,635,153	\$43,493,547
July 1, 2045	\$43,493,547	\$0	\$5,544,357	\$174,089	\$2,440,558	\$40,215,659
July 1, 2046	\$40,215,659	\$0	\$5,222,778	\$163,992	\$2,253,690	\$37,082,579
July 1, 2047	\$37,082,579	\$0	\$4,917,172	\$154,396	\$2,075,024	\$34,086,035
July 1, 2048	\$34,086,035	\$0	\$4,595,524	\$144,297	\$1,905,039	\$31,251,253
July 1, 2049	\$31,251,253	\$0	\$4,311,460	\$135,377	\$1,743,613	\$28,548,029
July 1, 2050	\$28,548,029	\$0	\$4,015,964	\$126,099	\$1,590,430	\$25,996,396
July 1, 2051	\$25,996,396	\$0	\$3,723,846	\$116,927	\$1,446,239	\$23,601,862
July 1, 2052	\$23,601,862	\$0	\$3,438,319	\$107,961	\$1,311,273	\$21,366,855
July 1, 2053	\$21,366,855	\$0	\$3,166,427	\$99,424	\$1,185,463	\$19,286,467
July 1, 2054	\$19,286,467	\$0	\$2,903,821	\$91,178	\$1,068,647	\$17,360,115
July 1, 2055	\$17,360,115	\$0	\$2,655,127	\$83,369	\$960,649	\$15,582,268
July 1, 2056	\$15,582,268	\$0	\$2,420,305	\$75,996	\$861,138	\$13,947,105
July 1, 2057	\$13,947,105	\$0	\$2,198,714	\$69,038	\$769,785	\$12,449,138
July 1, 2058	\$12,449,138	\$0	\$1,991,011	\$62,517	\$686,240	\$11,081,850
July 1, 2059	\$11,081,850	\$0	\$1,796,531	\$56,410	\$610,132	\$9,839,041
July 1, 2060	\$9,839,041	\$0	\$1,615,313	\$50,720	\$541,090	\$8,714,098
July 1, 2061	\$8,714,098	\$0	\$1,447,046	\$45,436	\$478,724	\$7,700,340
July 1, 2062	\$7,700,340	\$0	\$1,291,753	\$40,560	\$422,633	\$6,790,660
July 1, 2063	\$6,790,660	\$0	\$1,148,580	\$36,065	\$372,418	\$5,978,433
July 1, 2064	\$5,978,433	\$0	\$1,017,399	\$31,946	\$327,684	\$5,256,772
July 1, 2065	\$5,256,772	\$0	\$897,360	\$28,177	\$288,045	\$4,619,280

DISCLOSURES RELATED TO DIVISION A OF THE MACON-BIBB COUNTY PENSIONS AND RETIREMENT SYSTEMS (continued)

PROJECTION OF THE FIDUCIARY NET POSITION (continued)

Date	BOY Balance	Contributions	Benefit Payments	Administrative Expenses	Investment Earnings	EOY Balance
July 1, 2066	\$4,619,280	\$0	\$787,862	\$24,738	\$253,134	\$4,059,814
July 1, 2067	\$4,059,814	\$0	\$688,402	\$21,615	\$222,599	\$3,572,396
July 1, 2068	\$3,572,396	\$0	\$598,313	\$18,787	\$196,100	\$3,151,396
July 1, 2069	\$3,151,396	\$0	\$516,948	\$16,232	\$173,321	\$2,791,537
July 1, 2070	\$2,791,537	\$0	\$444,251	\$13,949	\$153,946	\$2,487,283
July 1, 2071	\$2,487,283	\$0	\$378,978	\$11,900	\$137,681	\$2,234,086
July 1, 2072	\$2,234,086	\$0	\$321,093	\$10,082	\$124,255	\$2,027,166
July 1, 2073	\$2,027,166	\$0	\$270,852	\$8,505	\$113,371	\$1,861,180
July 1, 2074	\$1,861,180	\$0	\$225,692	\$7,087	\$104,789	\$1,733,190
July 1, 2075	\$1,733,190	\$0	\$186,877	\$5,868	\$98,293	\$1,638,738
July 1, 2076	\$1,638,738	\$0	\$153,817	\$4,830	\$93,634	\$1,573,725
July 1, 2077	\$1,573,725	\$0	\$125,515	\$3,941	\$90,596	\$1,534,865
July 1, 2078	\$1,534,865	\$0	\$101,638	\$3,191	\$88,993	\$1,519,029
July 1, 2079	\$1,519,029	\$0	\$81,794	\$2,568	\$88,648	\$1,523,315
July 1, 2080	\$1,523,315	\$0	\$64,718	\$2,032	\$89,426	\$1,545,991
July 1, 2081	\$1,545,991	\$0	\$50,971	\$1,600	\$91,205	\$1,584,625
July 1, 2082	\$1,584,625	\$0	\$40,060	\$1,258	\$93,856	\$1,637,163
July 1, 2083	\$1,637,163	\$0	\$30,628	\$962	\$97,296	\$1,702,869
July 1, 2084	\$1,702,869	\$0	\$23,083	\$725	\$101,468	\$1,780,529
July 1, 2085	\$1,780,529	\$0	\$17,908	\$562	\$106,286	\$1,868,345
July 1, 2086	\$1,868,345	\$0	\$13,774	\$432	\$111,681	\$1,965,820
July 1, 2087	\$1,965,820	\$0	\$10,350	\$325	\$117,634	\$2,072,779
July 1, 2088	\$2,072,779	\$0	\$7,739	\$243	\$124,131	\$2,188,928
July 1, 2089	\$2,188,928	\$0	\$5,695	\$179	\$131,162	\$2,314,216
July 1, 2090	\$2,314,216	\$0	\$4,171	\$131	\$138,726	\$2,448,640
July 1, 2091	\$2,448,640	\$0	\$2,738	\$86	\$146,835	\$2,592,651
July 1, 2092	\$2,592,651	\$0	\$1,794	\$56	\$155,504	\$2,746,305
July 1, 2093	\$2,746,305	\$0	\$1,258	\$40	\$164,740	\$2,909,747
July 1, 2094	\$2,909,747	\$0	\$913	\$29	\$174,557	\$3,083,362
July 1, 2095	\$3,083,362	\$0	\$605	\$19	\$184,983	\$3,267,721
July 1, 2096	\$3,267,721	\$0	\$432	\$14	\$196,050	\$3,463,325
July 1, 2097	\$3,463,325	\$0	\$256	\$8	\$207,792	\$3,670,853
July 1, 2098	\$3,670,853	\$0	\$213	\$7	\$220,245	\$3,890,878
July 1, 2099	\$3,890,878	\$0	\$60	\$2	\$233,451	\$4,124,267
July 1, 2100	\$4,124,267	\$0	\$13	\$0	\$247,456	\$4,371,710
July 1, 2101	\$4,371,710	\$0	\$0	\$0	\$262,303	\$4,634,013

NOTES: The fiduciary net position is projected to be sufficient to cover all future benefit payments when due.  
 The plan requires only a 6% average investment return per year to avoid a crossover date.  
 The projection shown above does not reflect future new entrants into the pension plan.



Division A of the Macon-Bibb County Pensions and Retirement System is a closed system as no new active members are added. As of January 1, 2014 this plan as a result of consolidation became a closed plan. It will continue to be funded to the actuarial annual required contribution rate so that it will be soundly funded for those current active members that are part of the old City of Macon program. Current retirees will be paid through this system as they always have so there will be no disruption of benefits for them.



**Division A Retirement System**