**Comprehensive Annual Financial Report** 

For the Fiscal Years Ended June 30, 2011 and 2010



Issued By Maria L. Arevalo, Plan Administrator

Gale Garcia, RPA, Fiscal Supervisor and David Liu, Accountant



Merced County Employees' Retirement Association A Pension Trust Fund of the County of Merced, California 3199 M Street Merced, California 95348



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## LETTER OF TRANSMITTAL



Maria L. Arevalo Plan Administrator

October 14, 2011

Dear Board Members:

As the Administrator of the Merced County Employees' Retirement Association (MCERA or the System), I am pleased to present this Comprehensive Annual Financial Report (CAFR) for the fiscal years ended June 30, 2011 and 2010. This report is intended to provide readers with complete and reliable information about MCERA's financial status, compliance with the law and MCERA policies. This is MCERA's 61st year of operation.

#### **MCERA's Mission Statement and Core Values**

MCERA is committed to providing quality services and managing MCERA's assets in a prudent manner. In carrying out the policies and objectives, as set by the Board, the Board and MCERA staff will:

- Discharge their duties in accordance with fiduciary principals.
- Take responsibility for cost effective operations and minimize employer contributions.
- Display competency, courtesy and respect.
- Continue professional growth through education and training.
- Plan strategically for the future.

#### The Comprehensive Annual Financial Report (CAFR)

MCERA management is responsible for both the accuracy of the data and the completeness and fairness of the financial information contained in this CAFR. The Comprehensive Annual Financial Report is presented in five sections:

- The **Introductory Section** describes MCERA's management and organizational structure; identifies the members of the MCERA Board of Retirement (the Board); provides a listing of the professional consultants utilized by MCERA; and presents this Letter of Transmittal.
- The **Financial Section** presents the report of the independent auditor, Macias Gini & O'Connell LLP, along with MCERA management's discussion and analysis, basic financial statements, required supplementary schedules and other supplemental schedules.

- The **Investment Section** contains a report on MCERA's investment performance from MCERA's investment consultant, Milliman, Inc., along with information regarding MCERA's investment policies, asset allocation, investment holdings and investment management fees.
- The Actuarial Section contains the independent actuary's certification letter from MCERA's actuary, EFI Actuaries, along with a summary of actuarial assumptions and methods, and actuarial statistics.
- The **Statistical Section** presents information pertaining to MCERA's operations on a multi-year basis. The financial and operating information provides contextual data for MCERA's net assets, benefits, refunds and different types of retirement benefits.

#### **MCERA and its Services**

The Merced County Employees' Retirement Association is a public employee retirement system established by the County of Merced on July 1, 1950. MCERA is administered by the Board of Retirement to provide retirement, disability, death, and survivor benefits for eligible employees of the County of Merced, Superior Court of California for the County of Merced, Merced Cemetery District, and the Transit Joint Powers Authority for Merced County pursuant to the California Constitution, the County Employees' Retirement Law of 1937, Government Code Sections 31450 et. seq. (the 1937 Act), and the by-laws, policies and procedures adopted by the MCERA Board. The County of Merced Board of Supervisors may also adopt resolutions, as permitted by the 1937 Act, which may affect benefits of MCERA members.

The MCERA Board of Retirement is responsible for the general management of the retirement system, including making benefit determinations and managing the investment of the system's assets. The day-to-day management of MCERA is vested in an Administrator appointed by the Board.

The Board is comprised of nine members and two alternates; two elected by the active general membership, one regular and one alternate elected by the active safety membership, one regular and one alternate elected by the retired membership, four appointed by the County of Merced Board of Supervisors, and the County of Merced Treasurer, who serves as an ex-officio member. With the exception of the County Treasurer, Board members serve three-year terms, with no term limits.

#### **Financial Information**

A review of MCERA's fiscal affairs for the years ended June 30, 2011 and 2010 is presented in Management's Discussion and Analysis (MD&A), which is located in the Financial Section of this CAFR. Together, the MD&A and this Letter of Transmittal provide an expanded overview of MCERA's financial activities for the years.

The audit of MCERA's financial statements has been performed by an independent auditor, Macias Gini & O'Connell LLP, who has attested that the financial statements are presented in conformity with generally accepted accounting principles and are free of material misstatement. MCERA's management is responsible for establishing and maintaining the internal control structure designed to ensure that MCERA's assets are protected from loss, theft or misuse. Sufficient internal controls exist to provide

reasonable assurance regarding the safekeeping of assets and fair presentation of the financial statements and supporting schedules.

As of June 30, 2011, MCERA's net assets held in trust totaled approximately \$514 million reflecting an increase of approximately \$95 million (approximately 23%) in the net assets held in trust at the end of the previous fiscal year. This was primarily attributable to an increase in investment income, employer contributions and the appreciation in fair value of investments held by MCERA as explained more fully in the report of MCERA's investment consultant, which is located in the Investment Section of this CAFR.

#### **Actuarial Funding Status**

MCERA's funding objective is to meet long-term benefit promises by maintaining a well-funded plan status and obtaining optimum investment returns consistent with the assumption of prudent risk. The higher the level of plan funding, the larger the ratio of assets accumulated to actuarial accrued liability and the higher the level of investment return potential.

Pursuant to provisions in the 1937 Act, MCERA engages an independent actuarial firm to perform annual actuarial valuations of the System. As part of the valuation, economic assumptions are reviewed regularly. In addition, MCERA completed its most recent triennial experience study for the period July 1, 2007 to June 30, 2010. As a result of both studies, several economic and non economic assumptions were changed which in part, determined new employer and employee rates for the 2011/2012 fiscal year. The inflation and pay growth assumptions were reduced from 4.5% to 3.75%, the effective assumed rate of return on assets was reduced from 8.16% to 7.75% and the COLA growth assumption was reduced from 3% to 2.7%. Non-economic assumption changes included new rates for service retirement, new servicebased rates for withdrawals and terminations, a reduction in duty disability rates by 50% and the use of service based rates as opposed to age based rates for longevity and promotion pay increases. The Board also approved the use of the RP-2000 mortality table for disabled members with an additional age adjustment, and a change in the commencement age assumption for vested deferrals. The most recent actuarial valuation as of June 30, 2010, found the system's actuarial funding status (the ratio of actuarial assets to actuarial liabilities) to be 54.7%. This decrease in the funding ratio (down from 59.7% as of June 30, 2009) was primarily due to MCERA's increase in unfunded actuarial accrued liabilities. Also affecting the funded ratio was the amount of deferred losses which exceeded deferred gains by \$94 million using MCERA's smoothing methodology, and the new assumption changes as of June 30, 2010.

#### Investments

The Board of Retirement has exclusive control of all investments of the retirement system and is responsible for establishing investment objectives, strategies and policies. Pursuant to the California Constitution and the 1937 Act, the Board is authorized to invest in any form or type of investment deemed prudent in the informed judgment of the Board. In making decisions regarding the MCERA investment portfolio, the Board acts in a fiduciary capacity and must discharge its duties in accordance with fiduciary principles. In carrying out its investment responsibilities, the Board receives guidance from a professional investment consultant, Milliman, Inc.

The Board of Retirement has adopted an Investment Policy, which provides the framework for the management of MCERA's investments. The Investment Policy establishes the investment program goals, asset allocation policies, performance objectives, investment management policies and risk controls.

The Investment Policy also defines the principal fiscal duties of the Board, MCERA's custodian bank and MCERA's investment managers.

The asset allocation plan adopted by the Board is an integral part of MCERA's investment program. It is designed to provide an optimum mix of asset classes with return expectations to satisfy expected liabilities while minimizing risk exposure. A summary of the asset allocation plan can be found in the Investment Section of this CAFR.

The assets of MCERA are exclusively managed by external professional investment management firms. A listing of the investment professionals and investment fees can be found on page 78.

For the fiscal year ending June 30, 2011, MCERA's investment return was a positive 23.6% and the annualized rate of return over the last three and five years was a positive 3.3% and 4.0%, respectively.

Service Efforts and Accomplishments

- Approved the addition of the Regional Waste Management Authority of Merced County as a new district member of MCERA effective July 1, 2011.
- Approved and completed the first delivery and onsite training of the new pension administration system from CPAS.
- Completed the Actuarial Experience Study for July 1, 2007 to June 30, 2010 and adopted new mortality, earnings and inflation assumptions.
- Completed and filed the application for the IRS Tax Determination letter and application for a Voluntary Correction Plan.
- Conducted a Private Equity Investment evaluation and approved additional commitments to Adams Street Partners 2011 fund, Pantheon 2011 funds and Invesco private equity.
- Evaluated Large Cap asset allocation with Delta Asset Management; terminated Delta and transitioned portfolio to MCERA's Large Cap Growth Index.
- Added a new mid cap manager after evaluation of search finalists and transitioned funds from Mellon Capital Large Cap Growth Index to Mellon Capital for a new mid cap core mandate.
- Retained Cohen Milstein Sellers & Toll PLLC as portfolio monitoring and securities litigation counsel.
- Approved and adopted updated Board By- Laws related to the addition of an alternate retired member Trustee and amended 1937 Act provisions.
- Approved the MCERA Budget Adoption Policy.
- Completed an Historical Actuarial Asset and Liability Analysis of the MCERA system from 1990 to 2010.

- Conducted on-site due diligence with fund managers Pantheon and Wentworth, Hauser and Violich.
- Approved updates to Disability Regulations.
- Adopted and implemented a COLA of 1.5% effective April 1, 2011 for Tier 1 members.
- Hired a new Retirement Benefit Specialist.
- For the seventh consecutive year, MCERA was awarded the GFOA Certificate of Achievement for Excellence in Financial Reporting for MCERA's 2009-2010 Comprehensive Annual Financial Report.

#### **Certificate of Achievement**

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to MCERA for its CAFR for the fiscal year ended June 30, 2010. The certificate of Achievement is a prestigious national award that recognizes conformance with the highest standards for preparation of state and local government financial reports.

In order to be awarded a Certificate of Achievement, a government unit must publish an easily readable and efficiently organized comprehensive annual financial report, whose contents conform to program standards. The CAFR must satisfy both generally accepted accounting principals and applicable legal requirements.

A Certificate of Achievement is valid for a period of one year only. This is MCERA's seventh Certificate of Achievement for Excellence in Financial Reporting. We believe our current report continues to conform to the Certificate of Achievement program requirements.

#### Acknowledgements

The compilation of this report reflects the dedicated efforts of MCERA staff and in particular, MCERA's fiscal supervisor, Gale Garcia and accountant, David Liu. I would like to express my great appreciation for their hard work. I would also like to thank MCERA's professional consultants; our actuary, our investment consultant and our auditor for their generous and invaluable assistance. Finally, I would like to acknowledge the Board of Retirement for its leadership and commitment to the highest fiduciary standards.

Respectfully submitted,

Mallo

Maria L. Arevalo Plan Administrator

# Certificate of Achievement for Excellence in Financial Reporting

Presented to

Merced County

# **Employees' Retirement Association**

### California

For its Comprehensive Annual Financial Report for the Fiscal Year Ended June 30, 2010

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.



President

**Executive Director** 

### Board of Retirement at June 30, 2011



Leon Teague Elected by Retired Members Term Expires 12-31-11



Alfonso Peterson Appointed by the Board of Supervisors Term Expires 12-31-11



Deidre Kelsey Appointed by and Member of the Board of Supervisors Term Expires 6-30-13



Ronald Kinchloe, Alternate Elected by Retired Members Term Expires 12-31-11



Karen Rodriguez Elected by General Members Term Expires 06-30-13



Mark Bodley Appointed by the Board of Supervisors Term Expires 06-30-11



David Ness, Chair Appointed by the Board of Supervisors Term Expires 06-30-12



Michael Rhodes Elected by General Members Term Expires 06-30-12



Karen Adams County Treasurer Ex-officio Member



Tom Mackenzie Elected by Safety Members Expires 12-31-11



Dwayne McCoy, Alternate Elected by Safety Members Term Expires 12-31-11

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# Administrative Organization Chart at June 30, 2011



### List of Professional Consultants at June 30, 2011

#### **CONSULTING SERVICES**

**INVESTMENT CONSULTANT** Milliman, Inc., William Cottle

#### **ACTUARY**

EFI Actuaries Graham A. Schmidt Robert T. McCory

AUDITOR Macias Gini & O'Connell LLP

CUSTODIAN BNY Mellon Asset Servicing

#### DATA PROCESSING

**County Information Management Systems** 

#### **LEGAL COUNSEL**

County Counsel of Merced County Mason, Robbins, Gnass & Browning Cohen Milstein Sellers & Toll PLLC Bernstein Litowitz Berger & Grossmann LLP Hanson Bridgett LLP

> **MEDICAL ADVISOR** Dr. Charles Fracchia

**INVESTMENT SERVICES** 

#### FIXED INCOME

Barrow, Hanley, Mewhinney & Strauss, Inc. AXA Investment Managers

#### **REAL ESTATE**

UBS Global (EX US) Growth Asset Management European Investors

#### **DOMESTIC EQUITY**

Earnest Partners, LLC Mellon Capital Management Wentworth, Hauser & Violich

#### **INTERNATIONAL EQUITY**

UBS Global Asset Management Grantham, Mayo, Van Otterloo & Co. LLC Earnest Partners, LLC

#### **PRIVATE EQUITY**

Invesco Private Capital Adams Street Partners, LLC Pantheon Ventures, Inc.

#### **COMMISSION RECAPTURE BROKERS**

Lynch, Jones & Ryan Capital Institutional Services, Inc.

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mgocpa.com

To the Board of Retirement of the Merced County Employees' Retirement Association Merced, California

#### **INDEPENDENT AUDITOR'S REPORT**

We have audited the accompanying statements of plan net assets of the Merced County Employees' Retirement Association (the Association), as of June 30, 2011 and 2010, and the related statements of changes in plan net assets for the years then ended. These financial statements are the responsibility of the Association's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits 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 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 Association'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 audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the plan net assets of the Merced County Employees' Retirement Association as of June 30, 2011 and 2010, and the changes in plan net assets for the years then ended in conformity with the accounting principles generally accepted in the United States of America.

As described in Note 5, based on the most recent actuarial experience study for the period July 1, 2007 through June 30, 2010, the Association's independent actuaries proposed several changes to actuarial assumptions which were approved by the Board of Retirement and incorporated into the actuarial valuation as of June 30, 2010. The Association's independent actuaries also determined that, at June 30, 2010, the actuarial accrued obligation exceeded the actuarial value of its assets by \$421 million. The most recent actuarial value of assets as of June 30, 2010 does not reflect all deferred investment losses that will be recognized in the future.

In accordance with *Government Auditing Standards*, we have also issued our report dated October 17, 2011, on our consideration of the Association's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations and contracts 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.

3000 S Street Suite 300 Sacramento CA 95816 2121 N. California Blvd. Suite 750 Walnut Creek CA 94596 505 14th Street Sth Floor Oakland CA 94612 2029 Century Park East Suite 500 Los Angeles CA 90067 4675 MacArthur Ct. Suite 600 Newport Beach CA 92660 225 Broadway Suite 1750 San Diego CA 92101 Accounting principles generally accepted in the United States of America require that the management's discussion and analysis on pages 21 through 28 and schedules of funding progress and employer contributions on page 57 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. The introductory section, other supplemental schedules in the financial section, the investment, actuarial and statistical sections are presented for purposes of additional analysis and are not a required part of the basic financial statements. The other supplemental schedules in the financial section are the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the financial statements. The information 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 financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the other supplemental schedules are fairly stated in all material respects in relation to the basic financial statements taken as a whole. The introductory, investment, actuarial and statistical sections have not been subjected to auditing procedures applied in the audit of the basic financial statements applied in the audit of the basic financial statements applied in the audit of the basic financial statements are fairly stated in all material respects in relation to the basic financial statements taken as a whole. The introductory, investment, actuarial and statistical sections have not been subjected to 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.

Macion Sini ¿O'lonnell LLP

Sacramento, California October 17, 2011

#### MANAGEMENT'S DISCUSSION AND ANALYSIS

We are pleased to provide this overview and analysis of the financial activities of the Merced County Employees' Retirement Association (MCERA) for the fiscal years ended June 30, 2011 and 2010. We encourage readers to consider the information presented here in conjunction with the additional information furnished in the Letter of Transmittal.

#### Financial Highlights

- At the close of the fiscal year, MCERA's net assets held in trust for the payment of pension benefits totaled \$514.4 million. All plan net assets are available to meet MCERA's ongoing obligations to plan participants and their beneficiaries.
- Over the fiscal year, MCERA's total net assets held in trust for pension benefits increased by \$94.7 million (an increase of 22.6%). This increase essentially reflects the increase of investment income and the fair market value of investments.
- MCERA's funding objective is to meet long-term benefit obligations through contributions and investment income. As of June 30, 2010, the date of MCERA's last actuarial valuation, MCERA's funded ratio was 54.7%. In general, this indicates that for every one dollar of benefits due, MCERA has approximately \$0.55 of assets available for payment.
- Additions to Plan Net Assets increased by \$54,675,378 or 62.3% from \$87,773,112 in the prior fiscal year to \$142,448,490 in the current fiscal year. This increase is primarily due to the increase in net investment income and employer contributions.
- Deductions in Plan Net Assets increased from \$43,689,423 in the last fiscal year to \$47,766,026 in the current fiscal year (an increase of approximately 9.3%). This increase was primarily due to higher benefits paid and an increase in actuarial expenses.

#### **Overview of the Financial Statements**

The following discussion and analysis are intended to help the reader understand the purpose and meaning of the key components within MCERA's Comprehensive Annual Financial Report (CAFR). The CAFR is comprised of the following:

The *Statement of Plan Net Assets* is a point in time picture of account balances as of the fiscal year end. It indicates the assets available for future payments to retirees and any current liabilities. The difference between assets and liabilities represent the net assets held in trust for pension benefits. The statement also presents prior year-end balances for comparative purposes.

The *Statement of Changes in Plan Net Assets*, on the other hand, provides a view of the current year additions to and deductions from the retirement plan that caused the change in the net assets during the fiscal year.

#### MANAGEMENT'S DISCUSSION AND ANALYSIS (Continued)

Both financial statements are in compliance with the accounting principles and reporting guidelines set forth in Governmental Accounting Standards Board (GASB) Statement Nos. 25, 28, 34, 40, 44, 50, 51 and 53. These pronouncements require certain disclosures, and also require that state and local governments report using the full accrual method of accounting. MCERA complies with all material requirements of these pronouncements.

The two financial statements report information about MCERA's financial activities. As previously noted, the statements include all assets and liabilities using the full accrual basis of accounting, which is similar to the accounting used by most private sector companies. All of the current year's revenue and expenses are taken into account regardless of when cash is received or paid. All investment gains or losses are shown at trade date, not settlement date. In addition, both realized and unrealized gains and losses are shown on investments. All capital assets are depreciated over their useful lives.

The information reported in these two financial statements regarding MCERA's net assets held in trust to pay pension benefits is generally considered to be a good measure of MCERA's financial position. Over time, increases or decreases in the system's net assets is one indicator of whether the system's financial health is improving or deteriorating. Other factors however, such as investment market conditions, should also be considered in measuring the retirement system's overall health.

The *Notes to Basic Financial Statements* are an integral part of the financial report and provide additional information that is essential to a full understanding of the data provided in the financial statements.

In addition to the financial statements and accompanying notes, this report presents certain required supplementary information concerning MCERA's funding progress. The *Required Supplementary Schedules* include the Schedule of Funding Progress and Schedule of Employer Contributions. The Schedule of Funding Progress provides historical information about the actuarial funding status of the plan and reflects the progress made in accumulating sufficient assets to pay benefits when due. The Schedule of Employer Contributions provides historical information about annual required contributions of the employer and the actual contributions made. Together, these schedules and the supporting *Notes to Required Supplementary Schedules* provide information to help promote understanding of the changes in the funding status of the plan over time. Finally, the *Other Supplementary Schedules* represent information concerning MCERA's operations on a multi-year basis.

#### **Financial Analysis**

As previously noted, net assets may serve over time as a useful indication of MCERA's financial position. At the close of the fiscal year, MCERA's assets exceeded its liabilities by \$514,360,857. All of the net assets are available to meet MCERA's ongoing obligations to plan participants and their beneficiaries.

#### MANAGEMENT'S DISCUSSION AND ANALYSIS (Continued)

Plan net assets as of June 30, 2011 totaled \$514.4 million which is \$94.7 million or 22.6% more than the prior year. This result essentially reflects the increase of investments at fair value of 23.3% or \$93.9 million and a decrease in total liabilities of 12.1% or \$2.7 million.

Plan net assets as of June 30, 2010 totaled \$419.7 million which is \$44.1 million or (11.7%) more than the prior year. This result essentially reflects the increase of current and other assets of 19.5% or (\$6.3 million) and the increase of investment at fair value of 11.6% or (\$42 million), offset by the increase in total liabilities of 25.5% or (\$4.6 million).

MCERA's assets continued to trend upward for the first three quarters of the fiscal year regaining more of the losses experienced during the financial crisis. Despite the rising asset prices, the real economy was still struggling. During the fourth quarter MCERA's asset prices began to collapse halting what had been a dramatic price rebound since March of 2009. By April it was clear that the global recovery was running into serious trouble. Retail sales, real incomes, unemployment, and industrial production in the developed world all disappointed and suggested that fundamental weaknesses in the real economy persisted. Meanwhile, the ongoing inflationary problems in emerging markets were further compounded by slowing export growth. While quantitative easing did manage to stabilize risk premiums, it appears to have done so at the cost of rising food, fuel, transport, and import prices. Of equal concern to investors were the ongoing fiscal debates in Washington as well as those at the state and local level. Social unrest in the Middle East, the damaged manufacturing sector in Japan and Greece returning to the spotlight requiring additional assistance to stay afloat all presented challenges for the global economy. While these headlines cause concern, the debt issues are beginning to be addressed. Despite the six straight weekly declines in the mid quarter, U.S. equity markets rallied at the end to finish essentially flat for the 2nd quarter. While volatility makes everyone a bit uneasy, MCERA takes a long-term view and focuses on performance, relying on our portfolio diversification to help mitigate the volatility of overall risk.

		2011	2010	Increase/ (Decrease) Amount	% Change
Current and other	assets	\$36,058,421	\$38,482,542	(\$2,424,121)	-6.3%
Investments at fair	value	497,192,118	403,258,304	93,933,814	23.3%
Capital assets/pre	paid insurance	901,056	445,889	455,167	102.1%
	Total assets	534,151,595	442,186,735	91,964,860	20.8%
Current liabilities		19,790,738	22,508,342	(2,717,604)	-12.1%
	Total liabilities	19,790,738	22,508,342	(2,717,604)	-12.1%
	Net assets	\$514,360,857	\$419,678,393	\$94,682,464	22.6%

#### MCERA's Net Assets as of June 30, 2011 and 2010

#### MANAGEMENT'S DISCUSSION AND ANALYSIS (Continued)

	2010	2009	Increase/ (Decrease) Amount	% Change
Current and other assets	\$38,482,542	\$32,212,998	\$6,269,544	19.5%
Investments at fair value	403,258,304	361,307,031	41,951,273	11.6%
Capital assets	445,889	8,785	437,104	4975.6%
Total assets	442,186,735	393,528,814	48,657,921	12.4%
Current liabilities	22,508,342	17,934,109	4,574,233	25.5%
Total liabilities	22,508,342	17,934,109	4,574,233	25.5%
Net assets	\$419,678,393	\$375,594,705	\$44,083,688	11.7%

#### MCERA's Net Assets as of June 30, 2010, and 2009

#### Reserves

MCERA's reserves are established from contributions and the accumulation of investment income after satisfying investment and administrative expenses. Under GASB Statement 25, investments are stated at fair value instead of at cost, and fair value includes the recognition of unrealized gains and losses in the current period. These unrealized gains and losses are tracked in a reserve account called the Market Value Fluctuation Reserve. The Market Value Fluctuation Reserve increased by \$66,688,704 in the current fiscal year as a result of the increase in the financial markets.

#### MCERA's Reserves as of June 30, 2011, 2010, and 2009:

	2011	2010	2009
Active members	\$78,424,916	\$70,916,880	\$70,101,050
Employer advance	36,785,899	19,074,045	44,220,349
Retired members	318,511,664	325,294,825	292,975,830
Interest fluctuation	19,867,082	-	-
Market value fluctuation	42,077,392	(24,611,312)	(48,522,203)
Ad-Hoc COLA	1,935,766	1,815,958	1,711,303
Contingency	16,024,548	25,804,407	12,874,786
Internal Revenue Code (IRC) Section 401(h)	733,590	1,383,590	2,233,590
Total reserves at fair value	\$514,360,857	\$419,678,393	\$375,594,706

#### MANAGEMENT'S DISCUSSION AND ANALYSIS (Continued)

#### **MCERA's Activities**

An upturn in the investment markets resulted in a June 30, 2011 fiscal year increase of \$94.7 million in MCERA's net assets (an increase of approximately 22.6% from the previous year). The key elements of this increase is the result of the following changes in plan net assets.

#### **Changes in Net Assets**

#### A. Additions to Plan Net Assets

The reserves needed to finance retirement benefits are normally accumulated through the collection of employer and employee contributions and through earnings on investment income (net of investment expenses). Additions to Plan Net Assets for the current fiscal year totaled \$142,448,490. Overall, additions for the fiscal year increased \$54,675,378 from the fiscal year ended June 30, 2010 primarily due to increases in investment income and higher employer contributions. In the 2009-2010 fiscal year, additions totaled \$87,773,112, which was an increase of \$155,663,433 from the total revenue in the 2008-2009 fiscal year. The Employer's contributions rate increased 7% over the 2009-2010 fiscal year due to the change in actuarial assumptions and experience of the System. The 7% contribution rate change resulted in increased contributions of \$7.5 million or 25.8%. The Investment section of this report provides a more detailed review of the investment markets and investment performance for the current fiscal year.

#### Additions to Plan Net Assets

(For the Years Ended June 30, 2011 and 2010)

	2011	2010	Increase (Decrease) Amount	% Change
Employer contributions	\$36,662,122	\$29,136,704	\$7,525,418	25.8%
Member contributions	9,754,849	9,864,161	(109,312)	-1.1%
Net investment income	96,031,519	48,772,247	47,259,272	96.9%
Total additions	\$142,448,490	\$87,773,112	\$54,675,378	62.3%

#### MANAGEMENT'S DISCUSSION AND ANALYSIS (Continued)

	2010	2009	Increase (Decrease) Amount	% Change
Employer contributions	\$29,136,704	\$27,882,650	\$1,254,054	4.5%
Member contributions	9,864,161	9,916,305	(52,144)	-0.5%
Net investment income/(loss)	48,772,247	(105,689,276)	154,461,523	146.1%
Total additions	\$87,773,112	(\$67,890,321)	\$155,663,433	229.3%

#### Additions to Plan Net Assets (For the Years Ended June 30, 2010 and 2009)

#### **B.** Deductions from Plan Net Assets

MCERA was created to provide lifetime retirement annuities, survivor benefits and permanent disability benefits to qualified members and their beneficiaries. The cost of such programs include recurring benefit payments, as designated by the plan; refunds of contributions to terminated employees; and the cost of administering the retirement system.

Deductions for the current fiscal year totaled \$47,766,026 an increase of 9.3% from the previous year. The increase in expenses in the current fiscal year can be attributed primarily to the retiree payroll, which grew 10% or \$4.1 million. Deductions for the 2009-2010 fiscal year totaled \$43,689,423, an increase of 11.6% from the previous year. The increase in expenses for the 2009-2010 fiscal year was attributed primarily to the retiree payroll which grew approximately 12.2%.

#### **Deductions from Plan Net Assets**

(For the Years Ended June 30, 2011 and 2010)

	2011	2010	Increase (Decrease) Amount	% Change
Benefits paid	\$45,022,104	\$40,929,109	\$4,092,995	10.0%
Refunds of contributions	766,692	673,160	93,532	13.9%
Administrative expense	1,189,030	1,170,605	18,425	1.6%
Actuarial expense	138,200	66,549	71,651	107.7%
401(h) distribution to County	650,000	850,000	(200,000)	-23.5%
Total deductions	\$47,766,026	\$43,689,423	\$4,076,603	9.3%

#### MANAGEMENT'S DISCUSSION AND ANALYSIS (Continued)

#### **Deductions from Plan Net Assets**

(For the Years Ended June 30, 2010 and 2009)

			Increase (Decrease)	%
	2010	2009	Amount	Change
Benefits paid	\$40,929,109	\$36,478,886	\$4,450,223	12.2%
Refunds of contributions	673,160	760,803	(87,643)	-11.5%
Administrative expense	1,170,605	1,005,060	165,545	16.5%
Actuarial expense	66,549	61,795	4,754	7.7%
401(h) distribution to County	850,000	850,000	-	0.0%
Total deductions	\$43,689,423	\$39,156,544	\$4,532,879	11.6%

#### **Changes in Net Assets**

(For the Years Ended June 30, 2011 and 2010)

			Increase	
			(Decrease)	%
	2011	2010	Amount	Change
Additions				
Employer contributions	\$36,662,122	\$29,136,704	\$7,525,418	25.8%
Members contributions	9,754,849	9,864,161	(109,312)	-1.1%
Net investment gain/(loss)	96,031,519	48,772,246	47,259,273	96.9%
Total additions	142,448,490	87,773,111	54,675,379	62.3%
<b>Deductions</b>				
Benefits paid	45,022,104	40,929,109	4,092,995	10.0%
Refunds of contributions	766,692	673,160	93,532	13.9%
Administrative expense	1,189,030	1,170,605	18,425	1.6%
Actuarial expense	138,200	66,549	71,651	107.7%
401(h) distribution to County	650,000	850,000	(200,000)	-23.5%
Total deductions	47,766,026	43,689,423	4,076,603	9.3%
Change in net assets	94,682,464	44,083,688	50,598,776	114.8%
Net asset held in trust				
at beginning of the year	\$419,678,393	\$375,594,705	\$44,083,688	11.7%
Net assets held in trust				
at end of year	\$514,360,857	\$419,678,393	\$94,682,464	22.6%

#### MANAGEMENT'S DISCUSSION AND ANALYSIS (Continued)

#### **Changes in Net Assets** (For the Years Ended June 30, 2010 and 2009)

			Increase	
			(Decrease)	%
	2010	2009	Amount	Change
Additions				
Employer contributions	\$29,136,704	\$27,882,650	\$1,254,054	4.5%
Members contributions	9,864,161	9,916,305	(52,144)	-0.5%
Net investment income/(loss)	48,772,246	(105,689,276)	154,461,522	-146.1%
Total additions	87,773,111	(67,890,321)	155,663,432	-229.3%
<b>Deductions</b>				
Benefits paid	40,929,109	36,478,886	4,450,223	12.2%
Refunds of contributions	673,160	760,803	(87,643)	-11.5%
Administrative expense	1,170,605	1,005,060	165,545	16.5%
Actuarial expense	66,549	61,795	4,754	7.7%
401(h) distribution to County	850,000	850,000	-	0.0%
Total deductions	43,689,423	39,156,544	4,532,879	11.6%
Change in net assets	44,083,688	(107,046,865)	151,130,553	-141.2%
Net assets held in trust				
at beginning of the year	\$375,594,705	\$482,641,570	(\$107,046,865)	-22.2%
Net assets held in trust				
at end of year	\$419,678,393	\$375,594,705	\$44,083,688	11.7%

#### **MCERA's Fiduciary Responsibilities**

MCERA's Board and management staff are fiduciaries of the pension trust fund. Under the California Constitution, the system's assets must be used exclusively for the benefit of plan participants and their beneficiaries.

#### **Requests for Information**

This financial report is designed to provide the Retirement Board, the MCERA membership, taxpayers, investment managers and creditors with an overview of MCERA's financial condition and to demonstrate accountability for the funds MCERA receives and manages. Questions concerning any of the information provided in this report, or requests for additional information should be addressed to: Merced County Employees' Retirement Association, 3199 M Street, Merced, CA., 95348.

Respectfully submitted,

Mallo

Maria L. Arevalo Plan Administrator

### STATEMENTS OF PLAN NET ASSETS

As of June 30, 2011 and 2010

	2011	2010
ASSETS		
Cash and short-term investments:		
Cash invested with Merced County Treasurer	\$1,546,066	\$1,066,978
Cash invested with BNY Mellon	4,623,140	2,311,085
Other cash and cash equivalents with BNY Mellon	5,963,700	13,024,951
Securities lending collateral	18,145,491	18,538,246
Total cash and short-term investments	30,278,397	34,941,260
Receivables:		
Bond interest	1,478,209	1,513,478
Stock dividends	246,860	157,968
Contributions	1,806,062	1,417,791
Securities sold	2,246,261	445,679
Other	2,632	6,366
Total receivables	5,780,024	3,541,282
Investments at fair value:		
U.S government and agency obligations	67,859,377	67,069,066
Domestic fixed income	72,878,775	73,770,270
Common stocks (domestic)	71,856,011	93,212,816
Common stocks (index funds)	91,767,260	34,406,700
Common stocks (international)	131,716,069	83,547,325
Real estate	34,114,016	29,408,722
Alternative investments	27,000,610	21,843,405
Total investments	497,192,118	403,258,304
Prepaid Expense	-	1,575
Capital assets: Net of accumulated depreciation		
of \$69,364 and \$68,219, respectively	901,056	444,314
Total assets	534,151,595	442,186,735
LIABILITIES	<u>.</u>	
Accounts payable	459,780	1,158,348
Securities lending obligation	18,145,491	18,538,246
Securities purchased	1,152,094	2,627,128
Unclaimed contributions	33,373	184,620
Total liabilities	19,790,738	22,508,342
Net assets held in trust for pension benefits	\$514,360,857	\$419,678,393
*		

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

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### MERCED COUNTY EMPLOYEES' RETIREMENT ASSOCIATION STATEMENTS OF CHANGES IN PLAN NET ASSETS

For the Years Ended June 30, 2011 and 2010

	2011	2010
ADDITIONS		
Contributions:		
Employer	\$36,662,122	\$29,136,704
Plan members	9,754,849	9,864,161
Total contributions	46,416,971	39,000,865
Investment Income from Investment Activities:		
Net appreciation in fair value of investments	85,841,437	42,191,587
Investment income	12,359,833	8,387,164
Other revenue	9,035	23,738
Less investment expenses	(2,233,790)	(1,904,976)
Net investment income	95,976,515	48,697,513
Securities Lending Activities:		
Securities lending income	62,410	48,571
Securities lending expenses	(7,406)	26,163
Net securities lending income	55,004	74,734
Total net investment income	96,031,519	48,772,247
Total additions	142,448,490	87,773,112
<b>DEDUCTIONS</b>		
Benefits paid	45,022,104	40,929,109
Refunds of contributions	766,692	673,160
Administrative expense	1,189,030	1,170,605
Actuarial expense	138,200	66,549
401(h) distribution to County	650,000	850,000
Total deductions	47,766,026	43,689,423
Net increase	94,682,464	44,083,688
Net assets held in trust for pension		
benefits at beginning of year	419,678,393	375,594,705
Net assets held in trust for pension		
benefits at end of year	\$514,360,857	\$419,678,393

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

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010

#### 1. PLAN DESCRIPTION

#### A. <u>General Information</u>

The Merced County Employees' Retirement Association (MCERA or the System) was established July 1, 1950, under and subject to the legislative authority of the State of California as enacted and amended in the County Employees Retirement Act of 1937 (the "1937 Act"). The retirement system was voter approved by a greater than 2/3 majority of the electorate of Merced County (The County). The System was integrated with Social Security on January 1, 1956. Members of the System at that time had a one–time option to convert to the new System or remain in the previous System. MCERA administers a cost sharing, multiple-employer defined benefit pension plan (the Plan). MCERA's annual financial statements are included in the County's financial reports as a pension trust fund.

The management of the retirement system is vested in a Board of Retirement that consists of nine members and two alternates:

- 1. County Treasurer
- 2. Two elected general members
- 3. One member of the County Board of Supervisors
- 4. Three members appointed by the County Board of Supervisors who are not affiliated with county government
- 5. One elected retired member
- 6. One alternate retired member
- 7. One elected safety member
- 8. One alternate safety member

Day to day management of MCERA is vested in a Plan Administrator who is appointed by and serves at the direction of the Board of Retirement.

MCERA, with its own governing board, is an independent governmental entity separate and distinct from the County and derives its authority from California Government Code Sections 31450 et seq., and the California Constitution.

#### B. <u>Membership Structure</u>

(1) General

Plan members are classified as either General or Safety members. Membership becomes effective on the first day of service. Members include all permanent employees appointed to permanent positions or permanent part-time positions within the Merced County, Superior Court, Transit Joint Powers Authority, and the Merced Cemetery District. Newly hired persons age 60 and over and elected officials may waive membership in the retirement system.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

#### (2) Multi-Tier Benefits

All employees hired prior to June 13, 1994, and all executive "A" Level management (i.e., appointed and elected unrepresented managers per Amendment to County Board of Supervisors Resolution 94-89, effective July 1, 2000) are members of Tier I. The Tier I retirement benefit is based on the highest one year compensation. The minimum age to retire is 50 or any age with 30 years of service credit (20 years for Safety). General and Safety Tier I members are eligible for post-retirement cost of living adjustments.

The County Board of Supervisors adopted a new retirement tier (Tier II) for both General and Safety members hired after June 13, 1994. Benefits for members under Tier II are based on 3 years final average salary and are not eligible for post-retirement cost of living adjustments. The minimum age to retire is 55 for General members Tier II or any age with 30 years of service credit and 50 for Safety members Tier II or any age with 20 years of service for Safety.

•	Gen	eral	Saf	ety	
ACTIVE MEMBERS	<b>Tier I</b>	Tier II	<b>Tier I</b>	<b>Tier II</b>	Total
Vested	294	939	59	140	1,432
Non-vested	8	422	1	122	553
<b>INACTIVE MEMBERS</b>					
Defered Vested	104	84	7	9	204
Deferred Non-vested	5	93	-	15	113
Reciprocity	81	123	24	36	264
Unclaimed Members	6	17	-	-	23
Total active and inactive members	498	1,678	91	322	2,589
<b>RETIRED MEMBERS</b>					
Service retirements	1,197	96	168	2	1,463
Beneficiaries	133	5	24	-	162
Service connected disability	62	5	81	9	157
Non-Service connected disability	60	12	4	-	76
Survivors	15	5	4	1	25
Total retired members	1,467	123	281	12	1,883

#### The structure of the membership on June 30, 2011 was as follows:

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

#### The structure of the membership on June 30, 2010 was as follows:

*	Gen	eral	Saf	ety	
ACTIVE MEMBERS	Tier I	Tier II	Tier I	Tier II	Total
Vested	321	861	65	117	1,364
Non-vested	11	524	-	149	684
<b>INACTIVE MEMBERS</b>					
Deferred Vested	117	87	4	8	216
Deferred Non-vested	4	89	-	13	106
Reciprocity	91	116	31	34	272
Unclaimed members	8	25	-	-	33
Total active and inactive members	552	1,702	100	321	2,675
<b>RETIRED MEMBERS</b>					
Service retirements	1,173	75	161	2	1,411
Beneficiaries	135	5	21	-	161
Service connected disability	63	5	81	7	156
Non-Service connected disability	61	9	4	-	74
Survivors	16	3	4	1	24
Total retired members	1,448	97	271	10	1,826

#### C. <u>Benefit Provisions</u>

#### (1) Service Retirement Benefit

Members with ten years of service and who have attained the minimum age of 50 (age 55 for General Tier II) are eligible to receive a lifetime monthly retirement benefit. A member with 30 years of service (20 years for Safety), regardless of age is eligible for retirement benefits. Members who are at least 70 years of age are eligible to retire, regardless of years of service. The service retirement benefit is a percentage of monthly final average salary per year of service, depending on age at retirement. For members integrated with Social Security, the benefit is reduced by 1/3 of the percentage multiplied by the first \$350 of monthly final average salary, per year of service credited after January 1, 1956. The actual benefit paid will also be affected by the benefit payment option selected by the member.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

The County Board of Supervisors adopted Government Code Section 31676.17 of the County Employees Retirement Law of 1937 for all County General members, Tier I and Tier II, except County Cemetery District members on March 15, 2005, Government Code Section 31664.1 for all Safety members, Tier I and Tier II, on July 1, 2005 and Government Code Section 31676.17 for Superior Court of California, County of Merced members on November 4, 2005. The enhanced benefits do not apply to any member who was deferred or in inactive reciprocity status prior to the dates of adoption.

Percentage of Final Average Salary for Each Year of Service (Rounded) Current Employees						
Tier I Tier II						
<b>Retirement Age</b>	General	Safety	General	Safety		
50	2.00%	3.00%	-	3.00%		
55	2.50%	3.00%	2.50%	3.00%		
60+	3.00%	3.00%	3.00%	3.00%		

Percentage of Final Average Salary for Each Year of Service (Rounded) for the Merced County Cemetery District, Deferred, and Inactive Reciprocal Members Prior to Enhanced Benefit Adoption Dates.

		-			
	Tier I		Tier II		
<b>Retirement Age</b>	General	Safety	General	Safety	
50	1.24%	2.00%	-	2.00%	
55	1.67%	2.62%	1.49%	2.62%	
60	2.18%	2.62%	1.92%	2.62%	
65+	2.61%	2.62%	2.43%	2.62%	

#### (2) *Retirement Options*

#### Unmodified

Under the current "Fixed Formula" retirement, a member may elect the "unmodified" allowance, which provides the maximum allowance to the member for life, with a continuance of 60% of the allowance to the spouse or registered domestic partner if the spouse or registered domestic partner is designated as beneficiary. No allowance, however, shall be paid to a surviving spouse or domestic partner unless he or she is married to the member or has been registered as a domestic partner at least one year prior to the date of retirement. In the event of the death of the retiree, spouse or domestic partner, any balance of the retiree's contributions, less retirement allowances received, is payable to an alternate beneficiary.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

#### **Option No. 1**

The member may elect to receive a slightly reduced monthly retirement allowance, payable throughout their life, with the provision that upon death, their accumulated contributions less the actual annuity payments received by the retiree, will be paid to a designated beneficiary. Under this option, beneficiaries may be changed after retirement.

#### **Option No. 2**

The member receives a considerably reduced monthly allowance, with the provision that 100% of the retiree's benefit will continue to be paid after the member's death to a beneficiary named at the time of retirement. All payments stop at the death of both annuitants.

#### **Option No. 3**

A reduced allowance is paid to the member with 50% of the member's allowance continuing to the beneficiary after the member's death. As in Option No. 2, all payments stop at the death of both annuitants.

#### **Option No. 4**

The member receives a reduced benefit for life. The reduction depends on the member's age and the age of the member's beneficiary (ies). This is the only option that allows for multiple beneficiaries. A beneficiary does not have to be a spouse or domestic partner, but must have an insurable interest in the member's life. This option also allows the member to assign the percent of continuance to each beneficiary. This option and any estimates for this option are calculated by the MCERA's actuary and the cost is paid by the member.

#### (3) Cost of Living Adjustment

Annual cost-of-living adjustments (COLAs) to retirement allowances may be granted by the Retirement Board in accordance with governing law. The current maximum increase in a retirement allowance is 3% per year. Any increase is based on the change in the Bureau of Labor Statistics' Consumer Price Index (CPI) for All Urban Consumers for the calendar year prior to the April 1 effective date of the COLA. The amount of any actual CPI above the 3% maximum is accumulated. Accumulated COLAs may be used in future years, at the Retirement Board's discretion, when the cost-of-living change is less than the maximum 3%. Tier II members are not eligible for any cost-of-living increases in their retirement allowances.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

#### (4) *Disability Benefit*

Members with five years of service, regardless of age, are eligible for non-service connected disability benefits. Member benefits are 1.5% (1.8% for Safety members) of final average salary for each year of service. If this benefit does not equal 1/3 of final average salary, the benefit is increased by the above percentage of final average salary for the years that would have been credited had the member worked to age 65 (age 55 for Safety members). The total benefit cannot exceed 1/3 of the final average salary.

If the disability is service connected, the member may retire regardless of length of service, and the benefit is 50% of final average salary, unless the member is also eligible for a service retirement, in which case the member receives the greater of the two amounts.

#### (5) Death Benefit Before Retirement

In addition to the return of the member's contributions plus interest, MCERA provides a basic death benefit payable to the member's beneficiary or estate equal to one month's salary for each completed year of service under the System, based on the final year's average salary, but not to exceed six months salary. Depending on length of service, a monthly allowance could be selected by the surviving spouse to be paid for the rest of his or her life as an alternate benefit.

If a member dies while eligible for service retirement or non-service connected disability, the spouse may receive 60% of the allowance that the member would have received for retirement on the day of his or her death in lieu of the basic death benefit. If the member was below the qualifying retirement age at the time of death, the surviving spouse may elect to leave the member's accumulated contributions on deposit until such time as the member would have attained the qualifying age had he or she lived, at which time the spouse may exercise the option above. Unmarried minor children of the deceased member may continue to receive this allowance until marriage or attaining age 18 (21 if full-time student in an accredited school), upon the death of the surviving spouse or in place of the spouse if he or she does not survive the death of the member.

If a member dies as a result of service-connected injury or disease arising out of the course of his or her employment, his or her surviving spouse may elect, in lieu of the basic death benefit, to receive a monthly allowance of one-half of the member's final compensation.
#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

Unmarried minor children of the member may receive the same monthly allowance prior to their marriage or attaining age 18 (21 if a full-time student in an accredited school) if there is no surviving spouse or upon the death of the spouse.

#### (6) Death Benefit After Retirement

If a member dies after retirement, a lump sum amount of \$3,000 (Government Code Section 31789.3 adopted May 2, 2006) is paid to the beneficiary or estate; however, if the member is a reciprocal system member, this benefit is payable only to active members of Merced County at the time of retirement.

If the retirement was for service-connected disability, 100% of the amount the member was receiving at the time of death is continued to the surviving spouse for life.

If the retirement was for other than service-connected disability, there are several options available to the member.

# (7) *Terminated Members*

A member leaving covered employment after completing five years of credited service becomes eligible for a deferred retirement allowance, provided the member lives to the minimum service retirement age and does not withdraw his or her accumulated contributions. A member must elect deferred status within 180 days after termination. Members leaving employment with less than five years of service are not eligible to receive a retirement benefit. Non-vested members (less than five years of service) may leave their contributions on deposit and continue to be credited interest or they can choose to withdraw their contributions. County-paid employee contributions under various Memoranda of Understanding (salary negotiations) are not refundable. A nonvested member that enters a reciprocal retirement system after terminating employment with MCERA may wish to arrange for reciprocal benefits. Under a reciprocal arrangement the member funds are kept on deposit with MCERA.

#### (8) Vesting

Active members of the System receive a 100% vested interest in the Plan after five years of service, but cannot receive a service retirement benefit until they have been a member of the System for ten years and obtained age fifty for Tier I General members, Tier I and Tier II Safety members, and age fifty-five for Tier II General members. Safety members may receive a service retirement benefit after being a member of the system for 20 years regardless of age.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

#### (9) *Contribution Rates*

The County Employees Retirement Law of 1937 establishes the basic obligations for employer and member contributions to the retirement system. The actual employer and members contribution rates in effect each year are based on recommendations made by an independent actuary and adopted by the Board of Retirement.

Benefits payable by the System are financed through member contributions, employer contributions from the County, Merced Cemetery District, Transit Joint Powers Authority, Superior Court, County of Merced, and earnings from investments.

# A. Member

MCERA members are required to contribute a percentage of their annual covered salary. The rates are set to provide a retirement amount that is equal to a fractional part of the highest year (s) salary, based on membership and tier. Government Code Section 31621.8 set forth the basis for the determination of the normal rates of contribution for General Tier 1 and Tier II members. Government Code Section 31639.5 set forth the basis for the normal rates of contribution for Safety Tier 1 and Tier II. The law further provides that the contribution rates of members will be based on the age nearest birthday at the time of entrance into the System. Section 31453 states that no adjustment will be included in the rates of contributions are based on entry age into the System and the following actuarial assumptions:

- 1. Actuarial investment return of 8.16%
- 2. The cost of living, or inflation rate, as measured by the Consumer Price Index (CPI) will increase at the rate of 4.5% per year
- 3. COLAs at the rate of 3.0% are assumed for Tier 1 members
- 4. 4.5% Base salary increases
- 5. Active, retired and disabled member mortality rates.

For members integrated with Social Security, the contributions are reduced by 1/3 of such contribution payable with respect to the first \$350 of monthly salary.

#### B. County

The County and participating employers are required by statute to contribute the amounts necessary to finance the estimated benefits accruing to MCERA members not otherwise funded by employee contributions or investment earnings. Pursuant to provisions of the 1937 Act, the Retirement Board recommends annual contribution rates for adoption by the County Board of Supervisors each year based upon the rates recommended by the System's actuary.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

The employers' annual required contribution (ARC) is the actuarially determined level amount that is required on a sustained, ongoing basis to systematically fund the normal cost and to amortize the unfunded actuarial accrued liability (UAAL) attributed to past service cost over a period not to exceed thirty years.

In order to determine the ARC, the actuary must first adopt assumptions with respect to certain factors such as:

#### Non-economic assumptions

- The probabilities of members separating from active service on account of:
  - 1. non vested and vested withdrawal
  - 2. retirement for service
  - 3. mortality
  - 4. service and non service connected disability
- The mortality rates to be experienced among retired persons

# **Economic assumptions**

- Rate of future investment earnings
  - 1. inflation rate
  - 2. real rate of return
- The relative increases in a member's salary from the date of the valuation to the date of separation from active service
  - 1. merit increases
  - 2. longevity increases
  - 3. COLA

MCERA's actuarial assumptions as of June 30, 2010 and 2009:

	2010	2009
Inflation Rate	3.75%	4.50%
Investment Return Assumption Rate	7.75%	8.16%
Projected Salary Increases	3.75%	4.50%
Merit and Longevity Increase	Service-based	Age-based
Annual Required Contribution (ARC)	\$29.1 million	\$27.9 million
Percentage Contributed	100%	100%

Employer contribution rates vary from year to year and depend on the level of benefits established; the rate of return on investments, and the cost of administering benefits. MCERA's Schedule of Employer Contributions for the pension benefit plan is presented in the Required Supplementary Schedules following the basic notes to the financial statements. The 2010 assumption changes will effect the employer and employee rates for the 2011/2012 fiscal year.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

#### (10) 401(h) Distribution

The County currently provides and administers a health care plan for both active members and eligible retirees. Since 1983, MCERA had provided financial support toward the cost of retiree health insurance through a transfer of funds from MCERA's Medical Trust reserve.

In the 2002-2003 fiscal year, MCERA adopted an Internal Revenue Code (IRC) Section 401(h) Plan to serve as a vehicle for providing this financial support. Funding financial support through a 401(h) reserve allowed the County to direct MCERA to use excess earnings from the Medical Trust reserve to replace County contributions to the 401(h) reserve. The Medical Trust reserve had been funded with excess earnings from years prior to 2002. The decision to provide financial support, or the level of such support, is in the sole discretion of the Retirement Board, and among other things, was contingent on the availability of surplus excess investment earnings to offset any employer contributions used to provide funding for the IRC Section 401(h) Plan. In May of 2006, the Retirement Board directed that the balance of funds in the Medical Trust reserve be used to replace the County's final contribution to the 401(h) and the Medical Trust reserve was then terminated. MCERA no longer funds or maintains the Medical Insurance Trust. As of June 30, 2011 the balance in the 401(h) reserve is \$734 thousand.

# 2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

# A. <u>Reporting Entity</u>

While the System is governed by the Board of Retirement and is considered an independent entity, it is a component unit of the County in accordance with GASB Statement No. 14 of the Governmental Accounting Standards Board.

# B. Basis of Accounting

MCERA's financial statements are prepared on an accrual basis of accounting which recognizes income when earned and expenses when the obligation is incurred. Employer and employee contributions are recognized when due, pursuant to formal commitments as well as statutory or contractual requirements. Investment income is recognized as revenue when earned. Retirement benefits and refunds are recognized when due and payable in accordance with the terms of the plan. Other expenses are recognized when the corresponding liabilities are incurred. The net appreciation (depreciation) in fair value of investments consists of realized and unrealized gains and losses on those investments.

# C. <u>Investment Expenses</u>

Investment expenses include fees paid for investment consulting services, fund due diligence services, securities custodian services, and rebate and bank fees incurred during the reporting period. Fees paid are charged against the System's investment earnings pursuant to Sections 31596.1 of the 1937 Act.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

#### D. General Administrative Expense

MCERA's administrative costs for FY 2009/2010 are calculated pursuant to Government Code Section 31580.3,(a)(1) which provides that the administrative expense incurred may not exceed the sum of eighteen hundredths of 1 percent (.18%) of total assets plus one million dollars (\$1,000,000). In FY 2010/2011 the law had changed and the costs are calculated pursuant to Government Code Section 31580.2, (a) which provides that the administrative expense incurred in any year may not exceed the greater of either (1) twenty-one hundredths of 1 percent (.21%) of the actuarial accrued liability of the system or (2) two million dollars (\$2,000,000), as adjusted annually by the amount of the annual cost of living adjustment computed in accordance with Article 16.5. (b) Expenditures for computer software, hardware, and computer technology consulting services in support of the computer products shall not be considered a cost of administration of the system. The administrative limit per this government code section allows MCERA a maximum expense amount of \$2,000,000. MCERA's administrative costs for the fiscal year ending June 30, 2011 and 2010 are \$1,189,030 and \$1,170,605, respectively. The costs of administering the plan are financed by investment income.

# E. <u>Required Supplementary Information</u>

A schedule of MCERA's funding progress that reports the actuarial value of assets, the actuarial accrued liability, and the relationship between the two over time and a schedule of employer contributions that provides information about the employer's Annual Required Contribution (ARC) and the percentage of the ARC recognized by the plan are presented on page 56.

#### F. Administrative Budget and Professional Service Budget

MCERA's budget consists of two components, an administrative budget authorized by Government Code §31580.2 and a professional services budget authorized by Government Code §31596.1. MCERA's budgets are on a fiscal year basis starting July 1st and ending June 30.

#### G. <u>Capital Assets</u>

Capital assets are carried at cost, net of accumulated depreciation. Capital assets with an initial cost of more than \$2,500 and an estimated useful life in excess of one year are depreciated. Depreciation is calculated using the straight-line method over the estimated useful lives of the depreciable assets. Equipment and furniture are depreciated over eight years. MCERA's pension administration system (intangible assets) will be amortized over ten years.

# H. <u>Methods Used to Value Investments</u>

Investments are reported at fair value in the accompanying Statement of Plan Net Assets. Cash deposited in the Merced County Treasurer's pool is stated at fair value. The value of the System's pool shares is determined on an amortized cost basis, which is not materially different from fair value.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

The fair value of fixed income and equity investments are based upon the closing sale prices reported on recognized securities exchanges on the last business day of the period. For listed securities having no reported sales and for unlisted securities, fair value is based upon the last reported sales price.

The real estate investment holdings are determined by the partners using industry standard appraisal techniques and assumptions, which are updated annually, to determine the fair value of these holdings. The appraisals incorporate subjective judgments and consider assumptions including capitalization rates, discount rates, cash flows and other factors that are not observable in the market.

The fair value of alternative investments is based on the partners' most recent financial statements for the quarter ending March 31 and adjusted for cash flow activities through June 30. The majority of MCERA's alternative investments or 99.6% are determined by the partnerships using unobservable inputs which reflect the partnerships' own estimates about the assumptions that market participants would use in pricing the investment. The assumptions are based on the best information available in the circumstances, which might include the partnership's own data. The remaining .4% of MCERA's alternative investments are determined by the partnerships based on quoted market prices in active markets.

Management in consultation with the investment advisor has determined the reasonableness of the procedures used to calculate fair value for real estate and alternative investments.

# I. <u>Securities Transactions and Related Investment Income</u>

Security transactions are accounted for on a trade date basis. Interest income is recognized when earned and dividend income is recognized on the ex-dividend date. Stock dividends or stock splits are recorded as memo items and do not affect the total value of the securities. The System presents, in the Statements of Changes in Plan Net Assets, the net appreciation in fair value of investments, which consists of realized and unrealized gains and losses on those investments.

# J. <u>Management's Estimates</u>

The preparation of basic financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

#### K. <u>Reclassification</u>

Certain amounts presented in the prior year have been reclassified in order to be consistent with the current year's presentation.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

# L. Implementation of New Accounting Pronouncement

Effective July 1, 2009, MCERA implemented GASB Statement No. 51, *Accounting and Financial Reporting for Intangible Assets* and Statement No. 53, *Accounting and Financial Reporting for Derivative Instruments* for the fiscal year ended June 30, 2010.

GASB Statement No. 51 defines intangible asset as an asset that lacks physical substance, is non-financial in nature, and has an initial useful live extending beyond a single reporting period. The standard requires that qualifying intangible assets, such as computer software, be reported as capital assets and provides specific guidance on recognizing internally generated computer software.

GASB Statement No. 53 establishes accounting and financial reporting requirements for derivative instruments entered into by state and local governments. This statement requires most derivative instruments to be measured at fair value and reported on the statement of net assets. GASB Statement No. 53 also establishes disclosure requirements, which include summary information of derivative instruments and the government's exposure to financial risks. Implementation of this standard did not have any impact on MCERA's financial reporting and disclosure as MCERA did not have any derivative instruments as defined by GASB Statement No. 53.

# 3. CASH AND INVESTMENTS

#### A. <u>Investment Stewardship</u>

The Board of Retirement has exclusive control over all investments of the System and is responsible for establishing investment objectives, strategies and policies. Pursuant to the California Constitution and California Government Code Sections 31594 and 31595, the Retirement Board is authorized to invest in any investment the Board deems prudent.

The Board of Retirement has adopted an Investment Policy, which provides the framework for the management of MCERA's investments. The Investment Policy establishes MCERA's investment objectives and defines the principal duties of the Retirement Board, the custodian bank and the investment managers. The asset allocation plan is an integral part of the Investment Policy and is designed to provide an optimum and diversified mix of asset classes with return expectations to satisfy expected liabilities while minimizing risk exposure. MCERA currently employs external investment managers to manage its assets subject to the provisions of the Investment Policy.

# B. <u>Cash and Short-Term Investments</u>

Cash and cash equivalents consist of short-term investments held by the County Treasurer and MCERA's custodian bank, BNY Mellon. Cash and cash equivalents are highly liquid investments with a short maturity. Cash and cash equivalents are recorded at cost, which approximates fair value.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

#### (1) *County Treasury*

Cash from deposits and the cash needed for daily operational purposes is held in a pooled account with other County funds. The County Treasury Oversight Committee is responsible for regulatory oversight of the pool.

Interest on funds in the County investment pool is computed quarterly based on the average daily balance. A deposit in the pooled account approximates fair value. The fair value of the System's cash invested with the County Treasurer totaled \$1,546,066 and \$1,066,978 at June 30, 2011 and 2010, respectively. Cash and investments included within the County Treasurer's pool is described in the County's Comprehensive Financial Report.

MCERA's cash, short-term investments and investments stated at fair value as of June 30, 2011 and 2010 are presented as follows:

	F	Fair Value
Cash and Short-term Investments	2011	2010
Funds pooled with County Treasury	\$1,546,066	\$1,066,978
Funds pooled with BNY Mellon	4,623,140	2,311,085
Other cash and cash equivalents with BNY Mellon	5,963,700	13,024,951
Securities lending collateral	18,145,491	18,538,246
Total cash and short-term investments	30,278,397	34,941,260
Investments		
U.S. Government and agency obligations	67,859,377	67,069,066
Domestic fixed income	72,878,775	73,770,270
Common stocks (domestic)	71,856,011	93,212,816
Common stocks (index funds)	91,767,260	34,406,700
Common stocks (international)	131,716,069	83,547,325
Real estate	34,114,016	29,408,722
Alternative investments	27,000,610	21,843,405
Total investments	497,192,118	403,258,304
Total	\$527,470,515	\$438,199,564

# (2) Short-Term Investment Funds and Funds Pooled with BNY Mellon

The short-term investment funds that are in the custody of BNY Mellon are liquidity funds. The cash is invested in short-term obligations and deposits, including U.S. treasury and agency obligations, corporate bonds, commercial paper, repurchase agreements, certificates of deposit, banker's acceptances, time deposits and floating-rate notes.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

All participants in the pool proportionately share earnings and losses. Balances in the pooled accounts approximate fair value. At June 30, 2011 and 2010, short-term investments and pooled fund balances were \$10,586,840 and \$15,336,036, respectively.

#### C. <u>Securities Lending Program</u>

State statues and the Board of Retirement policies permit MCERA to participate in a securities lending program. MCERA's custodian, BNY Mellon and the lending agent Mellon Global Securities Lending administers its securities lending program. Securities lending is an investment management activity that mirrors the fundamentals of a loan transaction. Securities are lent to brokers and dealers (borrower) in turn, MCERA receives cash as collateral.

Collateral received may include cash, letters of credit or securities. The lending agent invests cash collateral received in short-term investment funds, money market funds and other similar investments the custodian may select. If securities or letters of credit are received as collateral, MCERA cannot pledge or sell the securities collateral unless the borrower defaults. The contract with the security lending agent requires them to indemnify MCERA if the borrowers fails to return the securities (or if the collateral is not sufficient to replace the securities lent) or if the borrower fails to pay MCERA for income distributions by the securities' issuers while the securities are on loan.

The maturities of investments made with collateral do not match the maturities of loaned securities. BNY Mellon continually monitors the traders booking the loans and the reinvestment team using the collateral.

Date	Weighted Average	Average	Mis-			(Par Va	alue Report	ed in Billio	ons)		
	Maturity	Duration	Match	Aaa	Aal	Aa2	Aa3	A1	A2	A3	NR*
June 30, 2011	45 days	89 days	47 days	\$478.1	\$80.3	\$1,439.7	\$1,160.4	\$1,201.3	\$144.5	-	\$1,881.1
June 30, 2010	36 days	69 days	36 days	\$1,150.0	\$1,002.3	\$1,035.5	\$936.7	\$7,699.7	\$66.0	-	\$2,473.8

Mellon Global Securities Lending short-term investment pools as of June 30, 2011 and 2010:

\*NR represents those securities that are not rated.

Under this borrowing arrangement, the lending agent is responsible for maintaining an adequate level of collateral in an amount equal to approximately 102% of the market value of loaned securities and 105% with respect to foreign securities except in the case of loans of foreign securities which are denominated and payable in U.S. dollar, in which event the required percentage shall be 102%. If the market value of the loaned securities falls below the required percentage, the lending agent shall require that the borrower deliver an amount of additional collateral by the close of the next business day. As of June 30, 2011 and 2010, MCERA has no credit risk exposure to borrowers because the amounts MCERA owes the borrower exceed the amounts the borrower owes to MCERA.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

MCERA may, in its sole and absolute discretion, direct the lending agent to terminate any loan at any time and for any reason.

As of June 30, 2011 the fair value of securities on loan and the total cash and non-cash collateral received for those securities on loan were \$18,327,120 and \$18,819,880. MCERA's securities lending cash collateral is invested in pooled funds managed by BNY Mellon Asset Servicing, which is not rated by credit rating agencies. MCERA's income net of expenses from securities lending was \$55,004 for the year ended June 30, 2011.

Security Type	Fair Value of Securities on Loan	Cash Collateral	Non-Cash Collateral
Corporate	\$718,499	\$735,597	-
Equity	15,832,330	16,264,682	-
Exchange Traded	835,082	856,494	-
U.S. T-Notes	941,200	288,708	\$674,389
TIPS	9	9	-
Total	\$18,327,120	\$18,145,491	\$674,389

As of June 30, 2010 the fair value of securities on loan and the collateral received for those securities on loan were \$18,158,662 and \$18,668,217. MCERA's net income net of expenses from securities lending was \$74,734 for the year ended June 30, 2010.

Security	Fair Value of	Cash	Non-Cash
Туре	Securities on Loan	Collateral	Collateral
Corporate	\$1,422,881	\$1,456,663	-
Equity	15,953,746	16,406,966	\$6,480
U.S. T-Notes	661,017	674,617	-
TIPS	121,018	-	123,491
Total	\$18,158,662	\$18,538,246	\$129,971

# D. <u>Commission Recapture Policy</u>

In order to minimize the net cost of trading, MCERA encourages its investment managers, on a "best efforts" basis to execute 25% to 35% of total trades annually through brokers who have a commission recapture program. MCERA's policies require investment managers to seek the best price and execution on all trades; this means that commission recapture trades should only be executed when such trades meet this standard. If an investment manager can execute the trade through MCERA's commission recapture brokerage firms while not incurring any incremental commission or market impact costs, then MCERA would like the manager to do so. This program should not interfere with or reduce an investment manager's incentive to reduce trading costs.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

#### E. <u>Alternative Investments</u>

Two components comprise MCERA's alternative investments portfolio: venture capital and special equity partnerships (buy-outs, mezzanine funds, and secondary funds). Unlike public markets, where the investor has the ability to "cash out" of positions at any time, these private market investments are illiquid. Therefore, an investment in this category is a long-term commitment. As of June 30, 2011 and 2010 the fair value of the alternative investment portfolios were \$27,000,610 and \$21,843,405, respectively. The fair value of these alternative investments are reported based on the most current financial report available which is primarily subject to a one (1) quarter lag adjusted for cash flows.

The balance of the unfunded capital to MCERA's private equity funds as of June 30, 2011 was \$17,114,001 and as of June 30, 2010 was \$10,908,213. Capital invested in private equity partnerships is subject to a relatively high degree of risk as compared to other potential investments, with the assumption that the investor will be rewarded with higher returns for that assumption of risk, i.e. the "risk/return trade-off". Controlling risk in the private equity portfolio is equally as important as seeking higher returns. MCERA controls risk by diversification, geographic and economic region, liquidity, vintage year, firm, and time.

*Liquidity risk* is managed by minimizing the possibility of forced sales that may arise from exceeding the maximum exposure limits or lowering asset allocation exposure limits. Exposure through a fund of funds minimizes this risk.

*Geographic and Economic Region,* referring to the selection of private equity investments, the portfolio does not favor particular economic or geographic regions. Most likely, the focus is globally oriented.

*Firm risk* is the amount of exposure to a private equity general partner. The maximum commitment to private equity is 3-7% of the total fund.

*Vintage risk* refers to the variability of private equity commitments over time. A secondary investment that is a vehicle in the special situation subclass allows the portfolio to gain prior year vintage exposure, further minimizing vintage risk.

# F. Custodial Credit Risk

The custodial credit risk for deposits is the risk that, in the event of the failure of a depository financial institution, a government will not be able to recover deposits or will not be able to recover collateral securities that are in the possession of an outside party. The custodial credit risk for investments is the risk that, in the event of the failure of the counterparty to a transaction, a government will not be able to recover the value of investment or collateral securities that are in the possession of an outside party. MCERA does not have a formal policy for custodial credit risk. At June 30, 2011 and 2010, MCERA had no investments that were exposed to custodial credit risk.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

#### G. <u>Credit Concentration</u>

Concentration of credit risk is the risk of loss attributed to the magnitude of a government's investment in a single issuer. As of June 30, 2011 and 2010, the System had no single issuer that exceeds 5% of plan net assets. Investments issued or explicitly guaranteed by the U.S government and investments in mutual funds, external investment pools, and other pooled investments are excluded. MCERA's investment policy does not allow for an investment in any one issuer that is in excess of 5% of the value of a portfolio and no single industry (based on North American Industry Classification System (NAICS) codes) can represent more than 15% of the market value of the investment portfolio. These single security and single industry restrictions do not apply to U.S. Government issued or guaranteed investments, investments in mutual funds, external investment pools and other pooled investments.

#### H. Credit Risk

Credit risk is the risk that an issuer or other counterparty to a debt instrument will not fulfill its obligation as described by nationally recognized statistical rating organizations—rating agencies— as of the date of the financial statements. An investment grade security is defined as a security which has been rated investment grade (BBB or higher) by at least one (but preferably two) of the three nationally recognized rating agencies; Fitch Ratings, Moody's Investor Service, and Standard & Poor's. MCERA's core fixed income portfolio requires that no more that 5% of an investment's managers fixed income portfolio may be invested in below investment grade rated securities (BB or B rated bonds). No security rated below single B may be purchased at any time. Securities that have at least a single B but subsequently fall below single B ratings, shall be sold in an orderly manner. This is the case of MCERA's workout portfolio that is managed by MCERA's core fixed income manager. These securities are being liquidated or held for longer time frames by comparing their individual fundamental values against executable market prices. MCERA's High Yield portfolio may allocate up to 20% in CCC rated securities. The County's pool and the short-term investment funds held with fiscal agent are unrated.

The following table presents the Moody's quality credit ratings of fixed income securities at June 30, 2011 and 2010:

Quality	AAA	AA	А	В	BA	BAA	BB	BBB	С	CA	CAA	CCC	NR*	NA**
Percent (%) of Fixed Income as of June 30, 2011	19.08%	5.61%	12.64%	8.61%	3.52%	11.43%	-	-	-	.37%	4.49%	-	2.61%	31.64%
Percent (%) of Fixed Income as of June 30, 2010	15.08%	4.57%	12.16%	8.34%	2.78%	12.53%	-	-	.06%	.40%	5.18%	-	5.26%	33.65%

\*NR represents those securities that are not rated.

\*\* NA represents those securities that are not applicable to the rating disclosure requirements.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

#### I. Interest Rate Risk

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. MCERA's Investment Policy Statement does not have a formal policy that limits investment maturities as a means of managing its exposure to fair value losses arising from increasing interest rates. However, MCERA's bond portfolios are managed duration neutral to their benchmarks, the Barclays U.S. Aggregate Bond Index and the Merrill Lynch High Yield Master II. During the fiscal year ending 2010, MCERA transitioned their Aggregate Bond Index Fund and Standish Global Workout Portfolio to an actively managed core bond portfolio and a High Yield portfolio.

As of June 30, 2011 and 2010 the County's pool has a fair value of \$623,285,321 and \$579,813,639, respectively and a weighted average maturity of 337 days and 362 days, respectively.

As of June 30, 2011 and 2010 the weighted average maturity of the short-term investment pooled funds with BNY Mellon were 48 days and 47 days, respectively.

The following table presents the fair value, weighted percentage of each sector, and the effective duration of MCERA's fixed income investments as of June 30, 2011:

	Cor	e Bond Portfolio	)	High Y	ield Portfoli	0
Investment Type	Fair Value 2011	Weight of Fixed Income 2011	Effective Duration (Years) 2011	Fair Value 2011	Weight of Fixed Income 2011	Effective Duration (Years) 2011
U.S. Government and agency obligations	\$30,837,703	26.44%	4.07	-	-	-
Commercial mortgage backed securities	4,054,532	3.48%	3.48	-	-	-
Asset backed securities	1,944,830	1.67%	1.85	-	-	-
TIPS	37,021,674	31.74%	6.71	-	-	-
Corporate and other credit	41,155,667	35.28%	4.98	\$24,088,732	100.00%	4.26
Collateralized mortgage obligations	1,635,014	1.40%	3.82	-	-	-
Total Fair Value	\$116,649,420	100.00%		\$24,088,732	100.00%	-
Portfolio Effective Duration			4.80			4.26

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

The following table presents the fair value, weighted percentage of each sector, and the effective duration of MCERA's fixed income investments as of June 30, 2010:

	Core Bon	d Portfolio		High Yield Portfolio		
Investment Type	Fair Value 2010	Weight of Fixed Income 2010	Effective Duration (Years) 2010		Weight of Fixed Income 2010	Effective Duration (Years) 2010
U.S. Government and agency obligations	\$21,023,630	17.61%	2.28	-	-	-
Commercial mortgage backed securities	3,306,287	2.77%	4.08	-	-	-
Asset backed securities	1,135,626	0.95%	2.32	-	-	-
TIPS	46,010,549	38.55%	4.64	-	-	-
Corporate and other credit	39,894,986	33.42%	5.06	\$21,479,887	100.00%	4.30
Collateralized mortgage obligations	7,988,371	6.69%	4.64		-	-
Total Fair Value	\$119,359,449	100.00%	_	\$21,479,887	100.00%	_
Portfolio Effective Duration			4.24			4.30

# J. Foreign Currency

Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of an investment or a deposit. MCERA's investment policy on foreign currency is as follows:

MCERA's international equity managers are permitted to invest in developed countries and will be measured against a reasonable version of the MSCI EAFE Index (Europe, Australia, and Far East). Assets in international equity portfolios will be primarily composed of foreign ordinary shares and American Depository Receipts (including ADR's that are 144A securities). Management firms will continually monitor the country, currency, sector and security selection risks associated with their international portfolios. All the risks will be included in the manager's quarterly reports and performance attribution based on these factors. Currency hedging, consistent with the stated derivative policy, is an acceptable investment activity. The use of currency futures, and forward currency contracts are permitted to assist investment managers in mitigating portfolio risk. As of June 30, 2011 and 2010, MCERA did not hold any derivative instruments.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

The following table represents securities held in a foreign currency as of June 30, 2011 and 2010:

	Fair Value (	U.S. Dollars)
Currency	2011	2010
Australia dollar	\$ -	\$23,312
Euro currency	11,842,839	6,035,996
Hong Kong dollar	7,232,307	4,679,194
Japanese yen	5,584,304	3,515,292
Mexico peso	534,513	370,245
New Turkish lira	1,096,354	964,657
Norwegian krone	2,621,122	1,390,243
Singapore dollar	1,304,973	831,667
Swiss franc	1,068,755	760,467
Swiss krona	1,315,309	836,280
United Kingdom pound sterling	3,977,007	2,638,330
Total foreign currency	\$36,577,483	\$22,045,683

# K. <u>Derivatives</u>

MCERA's investment policy permits the use of derivative instruments to minimize the exposure of certain of its investments to adverse fluctuations in financial and currency markets and enhance yields. The system does not use derivatives for speculative use or to create leverage. Derivatives permitted by MCERA's investment policy are financial futures (if exchange traded), currency forward contracts and currency options (exchange and OTC traded) and also derivative instruments which include interest rate swaps, options (if exchange traded), caps and floors as they apply to the above stated allowable derivative investments. The investments in futures contracts bear credit risk in that parties to the contracts may fail to perform according to the terms of the contract. Also, the investments may be subject to market risk due to a change in the price of the underlying securities. Floating-rate investments are investments with interest payments that float or adjust periodically based upon a predetermined benchmark. While the market value of a floating-rate security is relatively insensitive to changes in interest rates, the income received is highly dependent upon the level of the reference rate over the life of the investment. Total return may be less than anticipated if future interest rate expectations are not met. As with any fixed income investment, there is a risk that the issuer will be unable to meet its payment obligations. MCERA does not have any derivative instruments as defined by GASB Statement No. 53 as of June 30, 2011 and 2010.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

#### 4. **RESERVES**

As required by the County Employees Retirement Law of 1937 or the Board of Retirement's policy, the following reserves for Net Assets in Trust for Pension Benefits have been established to account for the members, employers, and retirees' contributions. MCERA maintains the following reserves at June 30, 2011 and 2010.

#### A. <u>Active Members' Reserves</u>

These reserves represent the cumulative contributions made by active employees. Additions include member contributions and related earnings. Deductions include refunds of member contributions and, upon retirement, the member contributions plus interest credited to their account are transferred from this reserve to the Retired Members' Reserves.

#### B. <u>Employer Advance Reserves</u>

These reserves represent the cumulative contributions made by the County for future retirement payments to current active members. Additions include contributions from the employer and related earnings; deductions include transfers to the Retired Members' Reserve, and lump sum death benefits.

#### C. <u>Retired Members' Reserves</u>

These reserves are established upon the retirement of an employee. Employee contributions plus interest earnings credited to the employee account are transferred from the Active Member Reserves to the Retired Members' Reserves. In addition, the present value of the actuarially determined pension benefits is also transferred from the Employer Advance Reserves to the Retired Members' Reserves. From these reserves, the System pays the retiree pension benefits in an amount computed in accordance with the 1937 Act.

#### D. Interest Fluctuation Reserve

The Interest Fluctuation Reserve is used for interest crediting purposes and for holding any funds allocated by the Retirement Board as a reserve for future interest earnings deficiencies. To the extent that net earnings are available, interest is credited to specified reserves. Interest is credited semi-annually according to MCERA's interest crediting policy.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

#### E. Market Value Fluctuation Reserve

The Board of Retirement established this "designation" account on June 30, 1997 to track the increase (or decrease) in the market value of the MCERA assets. The annual change in market value of MCERA's assets is as follows:

tł	umulated 1rough 2008	2009	2010	2011	Total
\$ 30	),311,934	\$(78,834,137)	\$23,910,891	\$66,688,704	\$42,077,392

# F. Ad-Hoc COLA Reserve

This reserve was established in 1999 as the source of funds for an ad-hoc COLA granted to certain retirees and beneficiaries pursuant to Section 31874.3(b) of the 1937 Act. Eligibility for the COLA was limited to retirees with accumulated uncredited COLAs totaling 25 percentage points or more as of April 1, 1999.

# G. <u>Contingency Reserve</u>

Prior to the fiscal year ending June 30, 2003, the Interest Fluctuation Reserve was also used as MCERA's contingency reserve. Effective June 30, 2003 the contingency reserve function was carried out through a separate account called the Contingency Reserve. The Contingency Reserve is comprised of surplus/excess earnings that are held as a reserve against deficiencies in investment earnings in other years, losses on investments and other contingencies.

# H. Internal Revenue Code (IRC) Section 401(h)

In 2003, in accordance with the provisions of the 1937 Act and the Internal Revenue Code (IRC), MCERA established an IRC Section 401(h) Plan which serves as the vehicle for any MCERA support for retiree health insurance costs. By resolution, in May 2006, the Retirement Board provided a final amount of County contributions be directed into the 401(h). Retirees have no vested right to financial support for such costs from the IRC Section 401(h) Plan or otherwise, and the availability of such support is not guaranteed.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

A summary of the various reserve accounts, which comprise net assets available for pension benefits at June 30, 2011 and 2010 is as follows:

	2011	2010
Active Members	\$78,424,916	\$70,916,880
Employer Advance	36,785,899	19,074,045
Retired Members	318,511,664	325,294,825
Interest Fluctuation	19,867,082	-
Market Value Fluctuation	42,077,392	(24,611,312)
Ad-Hoc COLA	1,935,766	1,815,958
Contingency	16,024,548	25,804,407
IRC Section 401(h)	733,590	1,383,590
	\$514,360,857	\$419,678,393

#### 5. <u>Actuarial Valuation</u>

MCERA engages on an annual basis, an independent actuarial consulting firm, EFI Actuaries, to conduct its annual actuarial valuation. The purpose of the valuation is to:

- examine the financial position of the plan in relation to the benefits already promised.
- review the experience of the System over the past year and identify reasons for changes in costs.
- recommend economic assumptions to be used in computing System liabilities and costs.
- calculate the annual employer and employee contributions required to fund the System in accordance with actuarial principles so that MCERA's benefit obligation can be met.
- project any emerging trends in System costs.
- present items required for disclosure under Statement No. 25 and 50 of the Government Accounting Standards Board (GASB).

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

Triennially, the System requests that its actuary perform an analysis of the appropriateness of all economic and non-economic assumptions. MCERA completed its most recent triennial analysis for the period July 1, 2007 to June 30, 2010. As a result of that analysis and information provided by MCERA and the County of Merced, the Board of Retirement approved certain changes to the actuarial assumptions, which were incorporated in the actuarial valuation as of June 30, 2010. MCERA's next triennial analysis will be reflected in the actuarial valuation as of June 30, 2013.

#### Funded Status as of the Most Recent Actuarial Valuation Date

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (b)	Unfunded Actuarial Accrued Liability (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll [(b-a)/c]
June 30, 2010	\$509.5	\$930.8	\$421.3	54.7%	\$115,384	365.1%

# A. Disclosure of Information About Actuarial Method and Assumptions

The Governmental Accounting Standards Board Statement No. 50 (GASB 50) requires that the funding progress be shown based on the same funding method that was used to develop the System's contribution requirements, which is the Entry Age Normal Cost Method. Under this method, the employer contribution rate provides for current cost (normal cost) plus a level percentage of payrolls to amortize the unfunded actuarial accrued liability (UAAL). The UAAL is the difference between the actuarial accrued liability and the actuarial value of assets. The difference between the UAAL and the expected UAAL is an actuarial gain or loss. As of June 30, 2010 MCERA has \$94 million of deferred investment losses not yet recognized in the valuation. MCERA adopted an actuarial value of assets method that recognizes the difference between expected and actual market re turns, net of expenses, over a 5-year period and is referred to as smoothing. Several changes were made to MCERA's Funding Policy extending the amortization period from 17 to 18 years. The inflation and pay growth assumptions were reduced from 4.5% to 3.5%, the effective assumed rate of return on assets was reduced from 8.16% to 7.75% and the COLA growth assumption was reduced from 3% to 2.7%. The impact of these changes did increase the employer contribution rate for the fiscal year 2011-2012.

The required schedule of funding progress immediately following the notes to the basic financial statements present multiyear trend information about whether the actuarial value of plan assets is increasing or decreasing over time relative to the actuarial accrued liability for benefits.

The actuarial balance sheet compares the present value of all future benefits anticipated to be paid for the current membership with the sources of funds to be used to provide these benefits. It illustrates that if recommended contribution levels made in the future prove out over time, current assets plus future employer and member contributions will be adequate to meet future benefit payments for the current membership.

#### NOTES TO BASIC FINANCIAL STATEMENTS June 30, 2011 and 2010 (Continued)

The actuarial methods and assumptions used includes techniques to reduce short term volatility in the actuarial accrued liabilities and the actuarial value of assets. The actuarial methods and assumptions used in the valuation year of June 30, 2010 are summarized in this note to conform to the disclosure requirements for GASB No. 50.

# **ACTUARIAL VALUATION ASSUMPTIONS**

Valuation Date Actuarial Cost Method Amortization Method Remaining Amortization Period Asset Valuation Method	June 30, 2010 Entry Age Normal Level percentage of payroll - Closed 18 years from June 30, 2010 Actuarial value: Excess earnings smoothed over five years, 70%/130% corridor around				
	market value				
Actuarial Assumptions:					
Investment Rate of Return	7.75%				
Projected Salary Increases	3.75%				
Assumed Inflation Rate	3.75%				
Assumed Post-employment					
Benefit Increase	For Tier 1, 100% of CPI to 3% annually with banking, assumed to be 2.7% annually				

# 6. <u>Litigation</u>

MCERA is a defendant in various lawsuits and claims arising in the ordinary course of its operations. MCERA's management and legal counsel estimate that the ultimate outcome of such litigation will not have a material effect on MCERA's financial statements.

# 7. <u>Subsequent Events</u>

On August 5, 2011 Standard & Poor's lowered the sovereign credit rating of the United States of America to AA+ from AAA. As of June 30, 2011 MCERA investments included 19.08% in AAA rated securities which were downgraded to AA+ by S&P. On August 8th, S&P also downgraded the credit ratings of senior debt issues of select government-sponsored entities ("GSEs") including Federal National Mortgage Association ("Fannie Mae") and Federal Home Loan Mortgage Corporation ("Freddie Mac"), the two giant mortgage companies now backed by the U.S. government, to AA+. However, these rating changes do not impact GSE mortgage pass-through securities.

MCERA reviewed its fixed income portfolios to ensure compliance with investment guidelines. The analysis found that MCERA continues to remain within the weighted average quality guideline requirements. As of July and August of 2011 MCERA's market value of debt securities has increased and the portfolios continue to have a positive return on these assets. Although we expect the market to remain volatile near-term, we will continue to monitor and evaluate any potential negative effects the S&P downgrade may have on our portfolios.

#### REQUIRED SUPPLEMENTARY SCHEDULES Schedule of Funding Progress (Dollar amounts in thousands)

Actuarial Valuation Date	Actuarial Value of Assets* (a)	Actuarial Accrued Liability (AAL)* (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL As a Percent of Covered Payroll (b-a/c)
6/30/05	\$ 428,813	\$ 589,794	\$ 160,981	72.7%	\$ 97,507	165.1%
6/30/06	\$ 443,999	\$ 624,333	\$ 180,334	71.1%	\$101,137	178.3%
6/30/07	\$ 484,450	\$ 656,415	\$ 171,965	73.8%	\$100,589	171.0%
6/30/08	\$ 488,347	\$ 692,252	\$ 203,905	70.5%	\$109,253	186.6%
6/30/09	\$ 483,145	\$ 809,681	\$ 326,536	59.7%	\$114,984	284.0%
6/30/10*	\$ 509,561	\$ 930,832	\$ 421,271	54.7%	\$115,384	365.1%

Note: This information is compiled from MCERA's actuarial reports prepared by EFI Actuaries.

\* The Actuarial Value of Assets and Actuarial Accrued Liability excludes the Ad-hoc COLA and the 401(h) reserve. It's excluded because those assets are specifically designated to be used to pay for something other than the basic benefits of the Plan, which are measured using the accrued liability.

#### Schedule of Employer Contributions Pension Benefit Plan (Dollar amounts in thousands)

Year Ended	Annual Required Contribution	Percentage Contributed
6/30/05	\$ 8,931	100%
6/30/06	\$ 14,750	100%
6/30/07	\$ 23,232	100%
6/30/08	\$ 23,751	100%
6/30/09	\$ 27,883	100%
6/30/10	\$ 29,137	100%

Note: This information is compiled from MCERA's actuarial reports prepared by EFI Actuaries.

# NOTES TO REQUIRED SUPPLEMENTARY SCHEDULES June 30, 2011

#### 1. GASB STATEMENT NO. 25

MCERA applied the parameters established by Governmental Accounting Standards Board (GASB) Statement No. 25 in calculating and presenting the required actuarially determined information in the Schedule of Funding Progress and the Schedule of Employer Contributions.

# 2. FUNDING STATUS

Viewed in isolation, the dollar amounts of a retirement system's net assets, actuarial accrued liability (AAL) and unfunded actuarial accrued liability (UAAL), as reflected in the Schedule of Funding Progress, can be misleading when assessing the retirement system's funding status. Expressing the plan's net assets as a percentage of the AAL, however, provides one indication of the retirement system's funding status on a going concern basis. Analysis of this percentage (the Funded Ratio) over time will indicate whether the retirement system is becoming financially stronger or weaker. Generally, the higher the Funded Ratio, the stronger the retirement system.

Trends in the UAAL and the annual covered payroll are both affected by inflation. Expressing the UAAL as a percentage of covered payroll adjusted for the effects of inflation will also aid analysis of the retirement system's progress in accumulating sufficient assets to pay benefits when due. Generally, the smaller this percentage, the stronger the retirement system.

# 3. CHANGE IN PLAN COST FROM JUNE 30, 2009 TO JUNE 30, 2010

- Demographic experience caused an increase in the contribution rate.
- Pay increases were higher than expected.
- New members entered the Plan.
- The one year contribution rate delay and shortfall in the fiscal year 2010 contribution caused a cost increase.
- Changes in the payroll used to amortize the unfunded liability increased the cost as a percentage of payroll.
- Changes in the valuation assets produced an actuarial loss.
- The Board of Retirement approved the implementation of a number of assumption changes as part of the Experience Study covering the periods from July 1, 2007 through June 30, 2010.
- The amortization policy for the Plan's unfunded liability was changed.

The net impact of these changes to the assumptions, employee contributions, and the funding policy increased the employer contribution by 1.38% of payroll or \$2.5 million. This increase becomes effective for the fiscal year 2011/2012.

# OTHER SUPPLEMENTAL SCHEDULES SCHEDULE OF ADMINISTRATIVE EXPENSES

For the Years Ended June 30, 2011 and 2010

Personnel Services:	2011	2010
Salaries, wages and benefits	\$783,268	\$703,345
Office Expenses:		
Communications	4,103	3,307
Requested maintenance/ utilities/ cost allocation	68,814	82,256
Office supplies	5,411	5,447
Postage	2,607	3,854
Total Office Expense	80,935	94,864
Professional Services:		
Audit fees	47,145	44,793
Attorney fees	73,395	42,205
Disability stenographic fees/ investigations	350	914
Strategic Project Consulting	2,730	132,915
Publications/ legal notices	900	635
Disability medical reviews/ services	34,347	5,800
Merced Dept. of Information Technology	65,160	59,495
<b>Total Professional Services</b>	224,027	286,757
Miscellaneous:		
Memberships	5,630	5,222
Fiduciary meeting	8,900	8,000
Fiduciary and staff travel/ training	36,363	22,089
Insurance	48,761	48,702
Depreciation expense	1,146	1,626
<b>Total Miscellaneous Expenses</b>	100,800	85,639
Total Administrative Expenses	\$1,189,030	\$1,170,605

# OTHER SUPPLEMENTAL SCHEDULES SCHEDULES OF INVESTMENT EXPENSES

For the Years Ended June 30, 2011 and 2010

INVESTMENT MANAGERS' FEES	2011	2010
Domestic Equities		
Delta Asset Management	\$96,038	\$212,050
Earnest Partners, LLC	132,062	160,335
Mellon Capital Management	29,661	36,530
NorthPointe Capital	-	90,361
Wentworth, Hauser & Violich	301,217	236,954
Total Domestic Equities	558,978	736,230
International Equities		
UBS Global Small Cap	188,783	105,252
Earnest Partners, LLC	427,179	232,258
Total International Equities	615,962	337,510
Alternative Investments		
Invesco Private Capital	90,000	90,000
<b>Real Estate</b>	,	,
UBS Global-Trumbull Property Mgmt	260,786	201,508
Fixed Income	,	,
AXA Investment Managers	98,858	27,383
Barrow, Hanley, Mewhinney & Strauss	279,601	122,583
Mellon Capital Management	-	 -
Standish Global Workout Solutions	-	65,833
Total Fixed Income	378,459	215,799
Total Investment Mangers' Fees	1,904,185	1,581,046
OTHER INVESTMENT EXPENSES		
Global Custodian		
BNY Mellon Asset Servicing	150,259	164,170
Investment Consultant	,	,
Milliman, Inc.	163,552	159,070
Miscellaneous Investment Expense	15,794	690
Total Other Investment Expenses	329,605	323,930
Total Management Fees and Other Investment Expenses	2,233,790	1,904,976
Securities Lending Activity		
Management fee	26,260	34,310
Rebate fee	(18,854)	(60,473)
Total Securtiy Lending Activity Fees	7,406	(26,163)
Total Fees and Other Investment Expenses	\$2,241,196	\$1,878,814

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# OTHER SUPPLEMENTAL SCHEDULES SCHEDULES OF PAYMENTS TO CONSULTANTS

For the Years Ended June 30, 2011 and 2010

INVESTMENT PROFESSIONAL SERVICE FEES	2011	2010
Actuarial services - EFI Actuaries	\$138,200	\$66,549
Investment consultant - Milliman, Inc.	163,552	159,070
Custodial services - BNY Mellon Asset Servicing	150,259	164,170
Total investment professional service fees	\$452,011	\$389,789

# ADMINISTRATIVE PROFESSIONAL SERVICE FEES

Audit services - Macias Gini & O'Connell, LLP	\$47,145	\$44,793
Legal services	73,395	42,205
Disability stenographic fees/investigations	350	914
Disability medical reviews/services	34,347	5,800
Merced County Department of Information Systems	65,160	59,495
Other specialized services	3,630	133,550
Total administrative professional service fees	\$224,027	\$286,757



Investment









650 California Street, 17<sup>th</sup> Floor San Francisco, CA 94108 **Tel** (415) 403-1333 **Fax** (415) 986-2777 www.milliman.com

August 16, 2011

Ms. Maria Arevalo Plan Administrator Merced County Employees' Retirement Association 3199 M Street Merced, California 95348

Dear Ms. Arevalo:

The Merced County Employees' Retirement Association had an investment gain of 23.6% in the fiscal year ending June 30, 2011, which surpassed the prior fiscal year gain of 13.4%. The Association's current fiscal year return is significantly above the actuarial interest rate assumption of 7.75%. Also, the total fund return was above the Retirement Association's total fund benchmark return of 22.0%. This gain results from positive returns in all asset classes.

The Retirement Association's total fund return over the past five years has averaged 4.0%, slightly below the fund benchmark of 4.1% and trailing the actuarial interest rate assumption of 7.75%. The large negative returns in fiscal year 2009 caused the Retirement Association's five year return to be below the actuarial interest rate assumption by approximately 3.7% per year. Over the past five years, all of the major asset class returns were positive but below the actuarial interest rate, except for private equity which returned 9.1%. During the last ten years, the Association's total fund return of 5.1% modestly exceeded the benchmark return of 4.8%, but trailed the actuarial interest rate.

1Prior to the first quarter of 1999 the total fund benchmark was CPI + 4%/year. From 1st quarter of 1999 through 4th quarter of 2001, the benchmark is 42% S&P 500, 8% Russell 2000, 6% EAFE, 38% Barclays Aggregate, 1% 90-day T-Bill, and 5% Wilshire Real Estate Funds. In subsequent periods, the benchmark is 42% S&P 500, 8% Russell 2000, 6% EAFE, 38% Barclays Aggregate, 1% 90-day T-Bill, and 5% NCREIF Property Index. We revised the total fund benchmark from the 2nd quarter of 2005 through the 3rd quarter of 2006 to reflect the changes in the March 2005 investment policy statement. From 2nd quarter of 2005 through 1st quarter 2007, the benchmark was 48.3% S&P 500, 7.7% Russell 2000®, 7% EAFE, 30% Barclays Aggregate, 1% 90-day T-Bill, and 6% NCREIF Property Index. As of March 31, 2007, the benchmark is 47.1% S&P 500, 7.9% Russell 2000®, 7% EAFE, 30% Barclays Aggregate, 1% 90-day T-Bill, 6% NCREIF Property Index, and 1% S&P 500 + 5.0% (private equity). From 1st quarter 2008 through 2nd quarter 2008, the benchmark is 46.35% S&P 500, 7.65% Russell 2000®, 7% EAFE, 30% Barclays Aggregate, 1% 90-day T-Bill, 6% NCREIF Property Index, and 2% S&P 500 + 5.0% (private equity). As of 3rd quarter 2008 the benchmark is 43.75% S&P 500, 6.25% Russell 2000®, 18% EAFE, 23% Barclays Aggregate, 6% NCREIF Property Index, and 3% S&P 500 + 5.0% (private equity). As of 4th quarter 2008 the benchmark was 43% S&P 500, 6% Russell 2000®, 18% EAFE, 23% Barclays Aggregate, 6% NCREIF Property Index, and 4% S&P 500 + 5.0% (private equity). As of 1st guarter 2009 the benchmark is 42% S&P 500, 6% Russell 2000<sup>®</sup>, 18% EAFE, 23% Barclays Aggregate, 6% NCREIF Property Index, and 5% S&P 500 + 5.0% (private equity). As of 1<sup>st</sup> quarter 2010, the benchmark is 25% S&P 500, 4% Russell 2000, 24% EAFE, 24% Barclays Aggregate, 5% ML High Yield Master II, 5% Barclays U.S. TIPS, 6% NCREIF ODCE Property Index, 2% FTSE EPRA/NAREIT Developed Index and 5% S&P 500 + 5.0% (private equity).



# **Summary of Investment Objectives**

The Board holds fiduciary responsibility for the Retirement Association. Given that investment performance is primarily determined by asset allocation decisions, the Board has adopted a diversified asset allocation target. This target is substantially based on an analysis of the Retirement Association' liabilities and their cash flow requirements. Other factors considered in the construction of the target are an effort to maximize the return on invested assets, and an attempt to minimize risk exposures.

The primary investment objectives expected to be satisfied by the asset allocation target and investment manager structure, are:

- 1) At a minimum, achieve a nominal return equivalent to the Retirement Association's actuarial interest rate. Earn a total return that averages 4% to 6% in excess of the rate of inflation.
- 2) Exceed the return of the Retirement Association' passive, market-based, investment benchmark.
- 3) Achieve a total fund return ranking above the median of other public sector retirement funds. Risk-adjusted performance is expected to also be above that of the median pension fund.

The Retirement Association has achieved all of these objectives in the past fiscal year, as well as in fiscal year 2010.

#### **Target Asset Mix & Total Fund Benchmark**

The Association conducted an asset allocation study that was completed in mid-July 2009. A revised target asset mix was approved by the Board. This target mix includes the following allocations: domestic equity 29%; international equity 24%; domestic fixed income 24%; high yield fixed income 5%; inflation protected fixed income 5%; real estate 8%; and, private equity 5%. The Board implemented this asset mix during the 2010 fiscal year.

# **Market Overview**

The past fiscal year had strong equity market results, except for the last quarter of the fiscal year period ending June 30, 2011. The domestic equity markets began the fiscal year with a significant gain of 11.3%, as measured by the S&P 500.

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The significant returns of the third calendar quarter of 2010 were followed up with substantial gains in the fourth quarter of 2010. Stocks rose 10.8%, as measured by the S&P 500, which brought the equity index to 23.3% for the first half of the fiscal year.

The market continued its positive momentum in the first calendar quarter of 2011, as the domestic equity market gained another 5.9%. This gain brought the fiscal year to date gain for domestic equities to 30.6%.

The final quarter of the fiscal year barely continued the positive results of the prior three quarters with the S&P 500 returning 0.1%. For the full fiscal year, equity returns were up 30.7%. Although the equity markets sustained two years of positive results, the three-, five- and tenyear equity results ending June 30, 2011 were modest in comparison, and ranged from a low of 2.7% to a high of 3.3%. These equity results remain well below historical averages.

The 30.7% return of S&P 500 during the fiscal year ending June 30, 2011 was smaller than the 37.4% gain of the Russell 2000. In the third quarter of calendar year 2010, the Russell 2000 gained 11.3%. Over the next two quarters, small cap stocks rose 16.3% and 7.9%, respectively, before declining 1.6% in the final quarter of the fiscal year. As in the prior fiscal year, small cap stocks lead the overall market and did so for most of the past fiscal year.

International equity essentially matched the domestic equity market and recorded a fiscal year 2011 return of 30.9%. The EAFE Index had a very large gain of 16.5% in the third quarter of 2010, followed by consecutive gains of 6.7%, 3.5%, and 1.8% in the subsequent three quarters.

The bond market, as measured by the Barclays Aggregate US Bond Index operated most of the year on a more normal basis, although there was another flight to quality at the end of the fiscal year. The Barclays Aggregate Bond Index started the fiscal year with a gain of 2.5%, which was followed up by a loss of 1.3% in the second quarter and a gain of 0.4% in the third quarter of the 2011 fiscal year. The final quarter of the year had strong returns, as investors once again favored US Treasury securities and the overall bond market returned 2.3%. For the full fiscal year, bonds returned 3.9%. The bond manager structure that was put in place two years ago significantly outperformed the bond market with a return of 6.5% during the 2011 fiscal year.

Real estate returns were strong in both the global REIT index as well as the domestic open-end area. In the first quarter of the 2011 fiscal year, the FTSE EPRA-NAREIT Developed Index was up 18.4% and the NCREIF ODCE Index gained 5.5%. Gains continued in the next two quarter as the FTSE EPRA-NAREIT Global Index rose 6.2% and 3.0%, and the NCREIF ODCE Index



gained 5.0% and 4.0%. In the final quarter, the FTSE EPRA-NAREIT Developed Index rose 2.9% and the NCREIF ODCE Index rose 4.0%. For the entire fiscal year, the FTSE EPRA-NAREIT Developed Index gained 33.4% and the NCREIF ODCE Index gained 19.8%. The real estate composite underperformed its benchmark for the full year, 20.4% versus 23.2%.

Finally, private equity performance was a positive contributor to the Retirement Association's performance. The gross of fee gain for the private equity segment was 21.1% for the full fiscal year ending June 30, 2011, but lagged the S&P 500 +5% benchmark of 34.8%.

# **Style Overview**

During the 2011 fiscal year, large cap growth stocks outperformed large cap value stocks. As measured by the Russell 1000 Growth Index, growth stocks returned 35.0%, versus 28.9% for the Russell 1000 Value Index. Mid and small cap stocks performed somewhat better than large cap stocks. The Russell Mid Cap Index returned 39.7%, and the Russell 2000 returned 37.4%.

# **Fund Overview**

In the third quarter of 2010, the total Fund gain was 9.2%, slightly underperforming the total Fund benchmark gain of 9.5%. This gain ranked in the first quartile (21<sup>st</sup> percentile) of total funds. Of the five major segments of the total Fund, international equity, fixed income and real estate outperformed their segment benchmarks but domestic equity and private equity trailed. In the fourth quarter of 2010 there was outperformance of the total Fund benchmark, with a gain of 6.5%, versus the total Fund benchmark gain of 5.8%. The total Fund return ranked in the 27<sup>th</sup> percentile, well above the median. During this quarter, three of the five to-tal Fund segments outperformed their benchmarks.

The calendar first quarter of 2011 was also a solid quarter. The total Fund had a gain of 4.5%, which was better than the benchmark gain of 3.7%, and ranked in the 13<sup>th</sup> percentile of all Funds. In this quarter, domestic and international equity, and fixed income outperformed their respective benchmarks.

During the calendar second quarter of 2011, the total Fund gained 1.7%, and ranked in the 6<sup>th</sup> percentile. The total Fund outperformed its benchmark, which had a gain of 1.5%. Three of the five asset class segments outperformed their benchmarks.

As mentioned previously, the Retirement Association' total fund gain for fiscal year 2011 was 23.6%, versus 22.0% for the total Fund benchmark. The total Fund return ranked in the 13<sup>th</sup> percentile of all Plans and in the 15<sup>th</sup> percentile of all public pension plans.



# **Investment Results**

The Association's total domestic equity segment recorded a gain of 34.7% in fiscal year 2011, which exceeded the 32.4% return of the Russell 3000. Relative to the S&P 500, the domestic equity segment outperformed the 30.7% of the Index. With respect to the large cap core equity managers, Delta Asset Management was terminated during the year and Earnest Partners outperformed the median large cap core manager. Earnest Partner's equity only portfolio gain of 34.0% ranked in the 11<sup>th</sup> percentile. With a gain of 35.0% and a ranking in the 45<sup>th</sup> percentile of large cap growth managers, the Russell 1000 Growth index product managed by Mellon Capital did better than the median large cap growth manager. This portfolio ranked in the 57<sup>th</sup> percentile of large cap value managers with an equity only gain of 29.0%.

Within the small capitalization arena, Wentworth Hauser, a small cap core portfolio manager, posted an equity only gain of 47.4%, ranking in the  $3^{rd}$  percentile of the small cap core style group. This performance was better than the 37.4% gain of the Russell 2000 Index and the 37.3% gain of the median small cap core equity manager.

For fiscal year 2011, the international equity segment of the Retirement Association had a total portfolio return of 37.5%, significantly better than the 30.9% gain of the MSCI EAFE Index and ranked in the 8<sup>th</sup> percentile. GMO's gain of 34.9% was above the EAFE Index gain of 30.9%, and ranked in the 17<sup>th</sup> percentile of international equity managers. For the fiscal year ending June 30, 2011, the small cap international equity portfolio managed by UBS had a gain of 50.1%, versus a gain of 36.4% for the EAFE Small Cap Index, and ranked in the 1<sup>st</sup> percentile of international equity managers. Finally, Earnest Partners international equity portfolio had a gain of 36.6%, which was better than the MSCI EAFE Index and ranked in the 10<sup>th</sup> percentile of international equity managers.

For the second consecutive year, the domestic fixed income segment outperformed the Barclays US Aggregate Bond Index. Barrow Hanley manages a core fixed income portfolio, a TIPS portfolio, as well as oversees the liquidation process of the remaining portion of the Standish Mellon workout portfolio. In addition, AXA manages a high yield fixed income portfolio. For the fiscal year 2011, the total fixed income segment returned 6.5%, versus 3.9% for the Barclays US Aggregate Bond Index and the bond segment performance ranked in the 30<sup>th</sup> percentile of fixed income portfolios.

The UBS Realty fund had a gain of 17.0% in the fiscal year ending June 30, 2011, versus a gain of 19.8% for the NCREIF ODCE Index. European Investors global REIT portfolio had

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a gain of 34.6%, which outperformed the FTSE EPRA/NAREIT Developed Index gain of 33.4%. Results for European Investors continue to be beneficial to the total real estate segment.

Similar to prior years, trading costs associated with the Retirement Association's domestic equity managers were reviewed to ensure that commission costs were reasonable and execution costs appropriate. A significant percentage of equity trading is being executed through the program and at reasonable costs. For the fiscal year ending June 30, 2011, 1.9 million shares were traded through the recapture brokers Lynch, Jones & Ryan and Capital Institutional Services. Commissions paid to these brokers totaled slightly more than \$33,400 and slightly more than \$10,200 was recaptured. A significant portion of these trades was for a low cost transition.

# **Performance Comparison**

The last page of our letter provides a table comparing the Retirement Association's total fund returns to all funds, as well as all public pension plans. As stated above, the Association has had strong results in fiscal year ending June 30, 2011. Relative to all plans, the Association's return of 23.6% ranked in the 13<sup>th</sup> percentile, and versus all public pension funds, ranked in the 15<sup>th</sup> percentile for the same time period. Performance also exceeds the benchmark over the past two years, but over the three through five year periods, performance modestly trails the benchmark due to prior fixed income managers that were terminated. The Retirement Association has also exceeded its benchmark over the past the past seven and ten years.

# Summary

Fiscal year 2011 was a success relative to the Association's policies, objectives and benchmarks. We expect to maintain this improvement in the coming years. At all times, the performance calculations were in line with CFA performance standards and the Fund was managed in accordance with the Retirement Association's policies.

Sincerely,

William R. Cotte

William R. Cottle, CFA



In reporting investment performance, Milliman, Inc. calculates rates of return for MCERA monthly using statements provided by BNY Mellon Bank. Milliman, Inc. reconciles these rates of return with those provided by the investment managers and verifies that the managers' published returns comply with the CFA Institute's Global Investment Performance Standards. We monitor any discrepancies (due to computational differences, securities pricing services, etc.) between Milliman, Inc. and the investment managers but find that they generally do not tend to persist over time. All rates of return presented in this report are gross of investment management fees. All rates of return presented in this report for time periods greater than one year are annualized. Monthly return calculations are time-weighted, and market value based.

# **Milliman**

# **Total Fund Returns vs. Universe Periods Ending June 30, 2011**

					Last	Last	Last	Last	Last	Last
	Last	Last 2	Last 3	Last	Two	Three	Four	Five	Seven	Ten
	Qtr	Qtrs	Qtrs	Year	Years	Years	Years	Years	Years	Years
<b>Total Fund</b>	1.7%	6.3%	13.2%	23.6%	18.4%	3.3%	0.9%	4.0%	5.4%	5.1%
Ranking vs. Total Funds	6	3	12	13	18	69	73	67	54	47
Ranking vs. Total Pub. Pension Funds	6	2	11	15	15	91	93	87	69	71
Fund Benchmark	1.5%	5.2%	11.3%	22.0%	17.4%	3.9%	1.4%	4.1%	5.2%	4.8%
Ranking vs. Total Funds	16	21	37	24	27	58	66	65	63	55
Ranking vs. Total Pub. Pension Funds	14	33	51	36	26	80	86	85	80	78
### OUTLINE OF INVESTMENT POLICIES AND SUMMARY OF PROXY VOTING GUIDELINES AND PROCEDURES For the Year Ended June 30, 2011

#### **Outline of Investment Policies**

The Board of Retirement has exclusive control of all investments of the retirement system and is responsible for establishing investment objectives, strategies and policies.

Pursuant to the California Constitution and the 1937 Act, the Board is authorized to invest in any form or type of investment deemed prudent in the informed judgment of the Board. In making decisions regarding the MCERA investment portfolio, the Board acts in a fiduciary capacity and must discharge its duties in accordance with fiduciary principles. In this regard, investment decisions are to be made in the sole interest and for the exclusive purpose of providing benefits, minimizing employer contributions and defraying the reasonable expenses of the retirement system.

The Board of Retirement has adopted an Investment Policy, which provides the framework for the management of MCERA's investments. The Investment Policy establishes the investment program goals, asset allocation policies, performance objectives, investment management policies and risk controls. The Investment Policy also defines the principal duties of the Board, MCERA's custodian bank, consultant and MCERA's investment managers. The Board makes revisions to the Investment Policy as necessary.

Pursuant to the Investment Policy, the basic goal of MCERA's investment program is to obtain a fully funded plan status, while assuming a risk posture consistent with the Board's risk tolerance. In pursuing this goal, the Board has adopted a long-term investment horizon in which the chances and duration of investment losses are carefully weighed against the long-term potential for appreciation of assets. The primary investment objective is to exceed the actuarial assumption for return on assets. The risk assumed in the pursuit of this investment objective must be appropriate for the return anticipated and consistent with the total diversification of the fund.

The asset allocation plan adopted by the Board is an integral part of MCERA's investment program. It is designed to provide an optimum, diversified mix of asset classes with return expectations to satisfy expected liabilities, while minimizing risk exposure.

### Summary of Proxy Voting Guidelines and Procedures

Voting of MCERA's proxy voting ballots shall be in accordance with MCERA's proxy voting guidelines as set forth in the Investment Policy. The basic directive of the proxy voting guidelines is that when voting proxy ballots on behalf of MCERA, investment managers shall vote according to the best interests of the MCERA membership. On a quarterly basis, the investment managers are required to provide a report to MCERA detailing their proxy votes.

ASSET ALLOCATION INFORMATION For the Year Ending June 30, 2011



	June 30, 2011 Asset Allocation	Target Allocation		Allocation Range
Domestic Equity	32.2%	29.0%	+/-	3.2%
International Equity	26.4%	24.0%	+/-	2.4%
Fixed Income	28.3%	34.0%	+/-	5.7%
Real Estate	6.7%	8.0%	+/-	1.3%
Alternative Investments	5.2%	5.0%	+/-	0.2%
Cash	1.2%	0.0%	+/-	1.2%
	100.0%	100.0%		

### **INVESTMENT SUMMARY**

For the Year Ending June 30, 2011

	Market	Percent
	Value	of Total
DOMESTIC EQUITY:		
Large Cap Growth	\$62,130,792	12%
Large Cap Value	60,685,372	12%
Small Cap Core	40,807,107	8%
Total Domestic Equity	163,623,271	31%
INTERNATIONAL EQUITY		
Large/Medium Core	47,572,785	9%
Large/Medium High Alpha	64,279,715	12%
Small Cap Growth	19,863,569	4%
Total International Equity	131,716,069	25%
FIXED INCOME		
Domestic Core	116,649,420	22%
High Yield	24,088,732	5%
Total Fixed Income	140,738,152	27%
ALTERNATIVE INVESTMENTS	27,000,610	5%
REAL ESTATE		
Property Fund	26,802,902	6%
Global REIT	7,311,114	1%
Total Real Estate	34,114,016	6%
CASH AND SHORT-TERM INVESTMENTS	30,278,397	6%
Total Investments, Cash and Short-Term Investments	\$527,470,515	100%

#### SCHEDULE OF INVESTMENT RESULTS For the Year Ended June 30, 2011

	CURRENT			ANNUALIZI	ED		
	YEAR	2YR	3YR	4YR	5YR	7YR	10YR
DOMESTIC EQUITY							
Large Cap Value	_						
Earnest Partners, LLC	31.8%	23.2%	5.1%	-0.3%	3.5%	5.3%	3.69
Index: Russell 1000®	32%	23.3%	3.7%	-0.6%	3.3%	4.8%	3.29
Large Cap Index	_						
Mellon Capital Mgmt. Large Cap Growth	35.0%	23.9%	5.0%	2.2%	5.3%	4.9%	-
Index: Russell 1000® Growth	35.0%	23.9%	5.0%	2.2%	5.3%	4.8%	2.2
Mellon Capital Mgmt. Large Cap Value	29.0%	22.8%	2.4%	-3.4%	1.2%	4.5%	-
Index: Russell 1000® Value	28.9%	22.8%	2.4%	-3.4%	1.2%	4.5%	-
Small Cap Value							
Wentworth, Hauser & Violich	46.1%	34.0%	7.1%	4.0%	7.5%	11.5%	11.7
Index: Russell 2000	37.4%	29.2%	7.8%	1.2%	4.1%	6.3%	6.3
TOTAL DOMESTIC EQUITY	34.7%	24.8%	4.5%	0.1%	3.9%	5.4%	4.29
INDEX: RUSSELL® 3000	32.4%	23.8%	4.0%	-0.5%	3.4%	4.9%	3.49
INTERNATIONAL EQUITY							
GMO	34.9%	18.9%	-0.6%	-	-	-	-
Earnest Partners, LLC	36.6%	26.5%	5.5%	-	-	-	-
UBS Global Small Cap	50.1%	31.3%	2.7%	-	-	-	-
TOTAL INTERNATIONAL EQUITY	37.5%	23.1%	1.9%	-0.3%	4.6%	8.5%	7.49
INDEX: MSCI EAFE	30.9%	18.0%	-1.3%	-3.6%	2.0%	6.9%	6.19
FIXED INCOME							
AXA	16.3%	-	-	-	-	-	-
Barrow Hanley	4.7%	-	-	-	-	-	-
TOTAL FIXED INCOME	6.5%	8.8%	4.2%	3.9%	4.4%	4.1%	4.79
INDEX: BARCLAYS U.S. AGGREGATE	3.9%	6.7%	6.5%	6.6%	6.5%	5.5%	5.89
REAL ESTATE							
UBS Trumbull Property Fund	17.0%	7.7%	-3.7%	-1.5%	2.4%	6.7%	7.0
European Investors	34.6%	29.0%	7.0%	-	-	-	-
TOTAL REAL ESTATE COMPOSITE	20.4%	11.2%	-1.8%	-0.7%	3.1%	7.2%	7.39
INDEX: NCRIEF PROPERTY INDEX	23.2%	9.5%	-1.2%	1.3%	4.3%	8.1%	8.19
ALTERNATIVE INVESTMENTS**							
Invesco Private Capital	31.2%	20.3%	7.4%	10.9%	12.5%	-	-
Adams Street Partners, LLC	19.6%	16.2%	2.8%	5.6%	8.0%	-	-
Pantheon Ventures, Inc.	15.7%	12.0%	2.1%	5.7%	6.0%	-	-
Pantheon Secondary	13.9%	5.8%	0.3%	9.2%	-	-	-
TOTAL ALTERNATIVE INVESTMENTS	21.1%	13.6%	3.4%	7.8%	9.1%	-	-
INDEX: S&P + 5.00%	34.8%	27.2%	7.9%	3.5%	7.7%	9.1%	7.7
TOTAL FUND*	23.6%	18.4%	3.3%	0.9%	4.0%	5.4%	5.1%
TOTAL FUND CUSTOM INDEX*	22.0%	17.4%	3.9%	1.4%	4.1%	5.2%	4.8%

\*Using time-weighted rate of return based on market rate return. \*\*Performance results lags by two quarters due to financial reporting constraints. \*\*\*Total international equity includes partial quarter for GMO and UBS.

# **TOP 10 LARGEST HOLDINGS BY FAIR VALUE**

For the Year Ending June 30, 2011

PAR	BONDS	FAIR VALUE
5,725,000	U S TREASURY NOTE 2.000% 01/31/2016 DD 01/31/11	\$5,836,351
4,530,000	UNITED STATES TREASURY NOTE 3.625% 02/15/2021 DD 02/15/11	\$4,723,567
2,803,315	US TREAS-CPI INFLATION INDEX 2.375% 01/15/2025 DD 07/15/04	\$3,222,074
2,849,652	FNMA POOL #0AC3278 5.000% 09/01/2039 DD 09/01/09	\$3,035,649
2,767,458	FHLMC POOL #G0-5753 5.000% 11/01/2039 DD 12/01/09	\$2,961,152
2,618,631	FNMA POOL #0995024 5.500% 08/01/2037 DD 10/01/08	\$2,849,908
2,561,721	FNMA POOL #0888100 5.500% 09/01/2036 DD 12/01/06	\$2,787,972
2,565,000	U S TREASURY NOTES 2.000% 04/30/2016 DD 04/30/11	\$2,603,885
2,342,590	US TREAS-CPI INFLATION INDEX 2.000% 01/15/2014 DD 01/15/04	\$2,523,766
2,152,222	US TREAS-CPI INFLATION INDEX 2.125% 01/15/2019 DD 01/15/09	\$2,445,462
		\$32,989,787

SHARES	STOCKS	FAIR VALUE
100,900	ARM HOLDINGS PLC	\$2,868,587
18,800	CORE LABORATORIES N V	\$2,096,952
28,000	RIO TINTO PLC	\$2,024,960
22,800	SCHOELLER BLECKMAN EUR1 (BR)	\$1,974,470
59,800	SHIRE PLC ORD GBP0.05	\$1,867,315
19,400	BHP BILLITON LTD	\$1,835,822
120,600	DNB NOR ASA NOK10	\$1,690,281
287,400	WEICHAI POWER CO 'H' CNY1	\$1,676,846
28,070	CHART INDUSTRIES INC	\$1,515,219
28,200	ERSTE GROUP BANK AG	\$1,478,021
		\$19,028,472

A complete list of portfolio holding is available upon request.

### SCHEDULE OF INVESTMENT MANAGEMENT FEES AND LIST OF INVESTMENT SERVICE PROVIDERS

### FIXED INCOME

AXA Investment Managers Barrow, Hanley, Mewhinney & Strauss, Inc.

### **REAL ESTATE**

UBS Global Asset Management European Investors

# **DOMESTIC EQUITY**

Earnest Partners, LLC Mellon Capital Management Wentworth, Hauser & Violich

#### **INTERNATIONAL EQUITY**

UBS Global (ex US) Asset Management Grantham, Mayo, Van Otterloo & Co., LLC Earnest Partners, LLC

# **PRIVATE EQUITY**

Invesco Private Equity Adams Street Partners, LLC Pantheon Ventures, Inc.

### **COMMISSION RECAPTURE**

Lynch Jones & Ryan Capital Institutional Services

INVESTMENT MANAGERS' FEES	2011	2010
Equity Managers		
Domestic	\$558,978	\$736,230
International	615,962	337,510
Total Equity Managers' Fees	1,174,940	1,073,740
<b>OTHER INVESTMENT MANAGERS' FEES</b>		
Fixed Income Fees	\$378,459	\$215,799
Alternative Investment Managers	90,000	90,000
Real Estate Fees	260,786	201,508
Total Other Investment Managers' Fees	729,245	507,307
Total Investment Managers' Fees	\$1,904,185	\$1,581,047
OTHER INVESTMENT SERVICE FEES		
Investment Consultant Fees	\$163,552	\$159,070
Investment Custodial Fees	150,259	164,170
Other Investment Service Fees	23,200	(26,163)
Total Other Investment Service Fees	337,011	297,077
<b>Total Investment Managers' and Other Service Fees</b>	\$2,241,196	\$1,878,124



Section







#### NORTHWESTERN REGION

1532 East McGraw Street Seattle, WA 98112 (206) 328-8628 Phone | (206) 726-0224 Fax www.efi-actuaries.com

**ROBERT T. MCCRORY** | Executive Vice *President* 

April 6, 2011

#### **Actuarial Certification**

In this study, we conducted an examination of all participant data for reasonableness and consistency. Actuarial funding is based on the Entry Age Normal Cost Method. Under this method, the employer contribution rate provides for current cost (normal cost) plus a level percentage of payroll to amortize the unfunded actuarial accrued liability (UAAL). As of the valuation date, the amortization period is 18 years.

The funding objective of the Plan is to accumulate assets during the working lifetime of each member so that, at retirement, sufficient assets will be on hand to provide the member the promised benefit. For actuarial valuation purposes, Plan assets are valued at Actuarial Value with adjustments for certain Special Reserves. Under this method, the assets used to determine employer contribution rates take into account market value by spreading all investment gains and losses (returns above or below expected returns) over a period of five years, limited by a corridor that restrains the Actuarial Value to within 30% of the Market Value of assets.

Our firm has prepared all of the schedules presented in the actuarial report. The actuarial assumptions were developed by the EFI and approved by the Board during the course of an analysis of experience which covered the period from July 1, 2007 through June 30, 2010. The assumptions used in the most recent valuation are intended to produce results that will reasonably approximate the anticipated future experience of the plan. The next experience analysis is expected to cover the years 2010 through 2013.

We certify that the valuation was performed in accordance with generally accepted actuarial principles and practices. In particular, to the best of our knowledge the assumptions and methods used for funding purposes meet the parameters of the Governmental Accounting Standards Board Statement No. 25. We are members of the American Academy of Actuaries and meet the Qualification Standard to render the actuarial opinion contained herein.

Respectfully Submitted,

Graham A. Schmidt, ASA (415) 439-5313

Robert T. McCrory, FSA (206) 328-8628

**EFI ACTUARIES | EFI/LIABILITY MANAGEMENT SERVICES, INC.** The nation's leader in plan-specific, interactive asset allocation optimization counseling --washington, DC PHILADELPHIA SEATTLE SAN FRANCISCO

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### SUMMARY OF ASSUMPTIONS AND FUNDING METHODS

#### A. <u>Economic Assumptions</u>

The following economic assumptions and non-economic assumptions were recommended by the actuary and adopted by the Board of Retirement as of the most recent actuarial valuation (dated June 30, 2010):

Investment Rate of Return	7.75%, net of investment and administrative expenses
Inflation	3.75% per annum
Cost of Living Adjustments	For Tier 1, 100% of CPI to 3% annually with banking, assumed to be 2.7% annually
Asset Valuation Method	Five year smoothed market, 70%/130% corridor around market value
Interest Credited to Active Members Reserves	Pursuant to the MCERA Interest Crediting Policy, adopted March 13, 2003, interest will fall within a range from 0-2% below the valuation interest rate.
<b>Projected Annual Salary Increases</b>	3.75% plus service-based rates

### B. <u>Non-Economic Assumptions</u>

The date of the last study of the Plan's actual experience was June 30, 2010. The actuary compared the expected number of terminations from active service to the number actually experienced during a 3-year period and based on this comparison and the trends observed, the probabilities of separation were adjusted.

Post-Retirement Mortality Tables Used:

1. <u>Service</u>

General Member Males	Combined Healthy Retired Pensioners (RP) 2000 (2 years setback)
General Member Females	Combined Healthy Retired Pensioners (RP) 2000

# SUMMARY OF ASSUMPTIONS AND FUNDING METHODS (Continued)

	Safety Member	Combined Healthy Retired Pensioners (RP) 2000 (2 years setback).
2.	<u>Disability</u>	
	General Males	Combined Healthy Retired Pensioners (RP) 2000 (3 year set-forward).
	General Females	Combined Healthy Retired Pensioners (RP) 2000 (3 year set-forward).
	Safety Member	Combined Healthy Retired Pensioners (RP) 2000 (3 year set-forward).
3.	For Employee Contribution	Rate Purposes
	General Member	Combined Healthy Retired Pensioners (RP) 2000 for Males (2 year setback).
	Safety Member	Combined Healthy Retired Pensioners (RP) 2000 for Males (2 year setback).
Pre-R	<b>Cetirement Mortality</b>	Based upon the Experience Analysis as of 6/30/10 (See Schedule of Probabilities of Separation from Active Service).
Witha	Irawal Rates	Based upon the Experience Analysis as of 6/30/10 (See Schedule of Probabilities of Separation from Active Service).
Disab	ility Rates	Based upon the Experience Analysis as of 6/30/10 (See Schedule of Probabilities of Separation from Active Service).
Servio	ce Retirement Rates	Based upon the Experience Analysis as of 6/30/10 (See Schedule of Probabilities of Separation from Active Service).

# SUMMARY OF ASSUMPTIONS AND FUNDING METHODS (Continued)

Vested Termination	Rates of vested termination apply to active members who terminate their employment after five years of service and leave their contribution with the plan. Vested terminated General Members are assumed to begin receiving benefit at 59; terminated Safety Members are assumed to begin receiving benefit at age 53. For prior valuation these ages were 60 and 50, respectively. 50% of vested terminated Safety members and 25% of vested terminated General members are assumed to be reciprocal. For the prior valuation, 50% of all vested terminated members were assumed to be reciprocal.
Family Composition	50% of female General members, 80% of male General members, and 90% of Safety members are assumed to be married at retirement.
Final Average Compensation Load	The final average compensation (FAC) for members projected to receive a service retirement benefit has been increased based on the assumption that members will have elements of pay included in their FAC which are not included in the annual pay provided to the Actuary (Ventura decision pays). The FAC for Tier 1 members has been increased by 6.92%,and the FAC for Tier 2 members by 2.31%.

### C. <u>Funding Method</u>

Employer contributions are actuarially determined level percentage rates that are expressed as percentages of annual covered payroll. The liability is presently being funded on the Entry Age Normal Actuarial Cost Method. Any unfunded actuarial accrued liability (UAAL) is amortized as a level percentage of projected future payroll cost over an 18-year period from June 30, 2010.

### D. <u>Plan Description</u>

A summary of plan provisions can be found in Note 1 of the **NOTES TO BASIC FINANCIAL STATEMENTS**.

# PROBABILITIES OF SEPARATION FROM ACTIVE SERVICE

		Servio	e Retirement (b	oy Service)
1	Age	10-19 Yrs	20-29 Yrs	30+ Yrs
	50	2.50%	5.00%	7.50%
	55	9.00%	18.00%	27.00%
	60	25.00%	25.00%	37.50%
	65	40.00%	40.00%	40.00%
	70	100.00%	100.00%	100.00%

### **GENERAL MEMBERS**

	Vested Termination	
Service	Female	Male
0-4	0.00%	1.00%
5-9	4.00%	3.30%
10-14	2.50%	5.50%
15-19	2.50%	5.50%
20-29	2.50%	2.00%
30+	0.00%	0.00%

Service	Withdrawals (All)
0	33.00%
1	15.00%
2	10.00%
3-4	7.00%
5-6	3.00%
7	1.50%
8-9	1.50%
10-19	1.50%
20-29	0.50%
30+	0.00%

	Service-Co Disabi		Non Service-Connected Disability		
Age	Female Male		Female	Male	
20	0.0040%	0.0040%	0.0000%	0.0000%	
30	0.0115%	0.0200%	0.0200%	0.0800%	
40	0.0190%	0.0480%	0.0400%	0.1300%	
50	0.0600%	0.0960%	0.1800%	0.2400%	
60	0.1575%	0.1680%	0.4600%	0.4200%	
65	0.0000%	0.0000%	0.0000%	0.0000%	

# **SAFETY MEMBERS**

	Service Retirement (by Service)				
Age	10-19 Yrs	20+ Yrs			
40-44	0.00%	2.50%			
45-49	0.00%	5.00%			
50-59	7.50%	25.00%			
60+	100.00%	100.00%			

	Vested Termination
Service	(All)
0-4	1.50%
5-9	4.50%
10-14	3.00%
15-19	0.50%
20-29	0.00%
30+	0.00%

Age	Safety Active Duty-Related Death
20	0.0300%
30	0.0600%
40	0.1700%
50	0.2700%
60	0.0000%

Service	Withdrawals (All)
0	25.00%
1	12.50%
2	5.00%
3-4	5.00%
5-6	2.50%
7	2.50%
8-9	1.00%
10-19	0.00%
20-29	0.00%
30+	0.00%

	Service- Connect Disability	Non Service -Connected Disability
Age	(All)	(All)
20	0.3250%	0.0000%
30	0.4190%	0.0300%
40	0.6375%	0.0600%
50	0.9940%	0.1200%
60	0.0000%	0.0000%
65	0.0000%	0.0000%

Valuation	Plan		Annual	Average Annual	% Increase in
Date	Туре	Number	Salary	Salary	Average Annual Salary
	General	1,892	\$83,166,000	\$43,957	4.09%
7/1/2005	Safety	295	\$14,341,000	\$48,614	4.29%
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Total	2,187	\$97,507,000	\$44,585	4.20%
	General	1,919	\$85,864,000	\$44,744	1.79%
7/1/2006	Safety	310	\$15,274,000	\$49,271	1.35%
,, 1, 2000	Total	2,229	\$101,138,000	\$45,374	1.77%
	General	1,917	\$85,308,000	\$44,501	-0.54%
7/1/2007	Safety	318	\$15,281,000	\$48,053	-2.47%
//1/2007	Total	2,235	\$100,589,000	\$45,006	-0.81%
	General	1,921	\$92,116,000	\$47,952	7.76%
7/1/2008	Safety	339	\$17,137,000	\$50,552	5.20%
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Total	2,260	\$109,253,000	\$48,342	7.41%
	General	1,848	\$99,266,589	\$53,716	12.02%
7/1/2009	Safety	342	\$19,363,697	\$56,619	12.00%
//1/2009	Total	2,190	\$118,630,286	\$54,169	12.05%
7/1/2010	General	1,708	\$94,915,436	\$55,571	3.45%
//1/2010	Safety	330	\$19,692,515	\$59,674	5.40%
	Total	2,038	\$114,607,951	\$56,236	3.81%
	ivial	2,030	ψ117,007,751	\$50,250	5.0170

# SCHEDULE OF ACTIVE MEMBER VALUATION DATA

### **RETIRANTS AND BENEFICIARIES ADDED TO AND REMOVEDFROM RETIREE PAYROLL**

	<b>For Years Ended June 30</b> (Dollar Amounts in Thousands)								
Year	Beginning of Year	Added During Year	Allowances Added (\$ 000)	Removed During Year	Allowances Removed (\$ 000)	End of Year	Retiree Payroll (\$ 000)	% Increase In Retiree Payroll	Average Annual Allowance
6/30/05	1,441	109	\$2,445	49	\$450	1,477	\$24,867	9.16%	\$16,836
6/30/06	1,477	98	\$2,007	53	\$785	1,521	\$27,297	9.77%	\$17,934
6/30/07	1,521	136	\$4,419	38	\$560	1,620	\$31,823	16.58%	\$19,644
6/30/08	1,620	105	\$2,757	67	\$902	1,658	\$34,603	8.74%	\$20,870
6/30/09	1,658	105	\$3,403	52	\$813	1,711	\$37,748	9.09%	\$22,062
6/30/10	1,711	171	\$6,098	56	\$981	1,826	\$43,653	15.65%	\$23,907

#### **SOLVENCY TEST**

For Years Ended June 30

(Dollar Amounts in Thousands)

Actuarial Accrued Liabilities (AAL) For						1	on of Acc Liabilities ed by Rep Assets	
Valuation Date	1 Active Member Contributions	2 Retirees and Beneficiaries	3 Active Members Employer Portion	Actuarial Accrued Liabilities	Valuation Assets	1	2	3
6/30/05	\$49,162	\$281,246	\$259,386	\$589,794	\$428,813	100%	100%	38%
6/30/06	\$54,826	\$305,589	\$263,918	\$624,333	\$443,999	100%	100%	32%
6/30/07	\$59,299	\$358,644	\$234,539	\$652,482	\$480,517	100%	100%	28%
6/30/08	\$66,865	\$370,764	\$254,623	\$692,252	\$488,347	100%	100%	20%
6/30/09	\$65,126	\$448,231	\$296,324	\$809,681	\$483,145	100%	93%	0%
6/30/10	\$64,917	\$532,695	\$333,220	\$930,832	\$509,561	100%	83%	0%

#### ACTUARIAL ANALYSIS OF FINANCIAL EXPERIENCE

For Years Ended June 30

(Dollar Amounts in Thousands)

	Act	uarial (Gains)/Lo	sses			
Plan Year Ending	Asset Sources (\$ 000)	Liability Sources (\$ 000)	Total (\$ 000)	Changes in Plan Provisions (\$ 000)	Changes in Assumptions/Methods (\$ 000)	Total (Gain)/Loss (\$ 000)
6/30/05	\$23,825	\$ 9,230	\$33,055	\$ 2,435	\$14,012	\$49,502
6/30/06	\$13,444	\$(2,866)	\$10,578	\$ 2,734	N/A	\$13,312
6/30/07	\$(3,586)	\$(3,693)	\$(7,549)	N/A	\$625	\$(6,655)
6/30/08	\$48,840	\$(14,186)	\$34,654	N/A	N/A	\$34,654
6/30/09	\$66,987	\$23,892	\$90,879	N/A	N/A	\$90,879
6/30/10	\$16,151	\$8,100	\$24,251	N/A	\$63,410	\$87,661





Section





### **ADDITIONS BY SOURCE**

The Statistical Section presents information pertaining to MCERA's operations on a multi-year basis. The financial and operating information provides contextual data for MCERA's net assets, benefits, refunds and different types of retirement benefits.

Fiscal Year Ending	Employee Contributions	Employer Contributions	Employer % of Covered Payroll	Net Investment Income and Other Income	Total
6/30/02	\$ 3,186,740	\$ 7,731,363 **	9.64%	\$ (19,789,912) *	\$ (8,871,809)
6/30/03	\$ 3,298,317	\$ 7,200,728 **	8.21%	\$ 16,957,409 *	\$ 27,456,454
6/30/04	\$ 3,347,455	\$ 7,268,826 **	7.95%	\$ 46,098,461 *	\$ 56,714,742
6/30/05	\$ 4,584,598	\$ 8,930,842 **	9.57%	\$ 34,840,502 *	\$ 48,355,942
6/30/06	\$ 8,221,757	\$ 14,749,934 **	15.02%	\$ 32,191,872	\$ 55,163,563
6/30/07	\$ 8,755,297	\$ 23,232,099 **	21.33%	\$ 73,614,145	\$ 105,601,541
6/30/08	\$ 9,357,702	\$ 23,751,437 **	21.34%	\$ (33,797,400)	\$ (688,261)
6/30/09	\$ 9,916,305	\$ 27,882,650 **	23.42%	\$(105,689,276)	\$(67,890,321)
6/30/10	\$ 9,864,161	\$ 29,136,704 **	24.46%	\$ 48,772,246	\$ 87,773,111
6/30/11	\$ 9,754,849	\$ 36,662,121 **	31.26%	\$ 96,031,519	\$ 142,448,490

\*Beginning with June 30, 2001 the amounts listed under Net Investment Income have been reclassified to conform to the 2006 presentation. \*\*Does not consider net proceeds from the insurance of Pension Obligation Bonds issued by the County of Merced in the amount of \$61,694,915 in February 1999.



### **Additions by Source**

Fiscal Year Ending		Benefits	Administrative Expenses		uarial pense	 oaration efunds	Death Refunds	401 (h) Distribution to County	Total
6/30/02	*	\$ 17,264,575	\$ 586,140	5 \$	7,403	\$ 625,159	-	\$ 850,702	\$ 19,333,985
6/30/03	*	\$ 19,345,829	\$ 820,34		-	\$ 498,749	-	-	\$ 20,664,919
6/30/04	*	\$ 21,498,606	\$ 830,439	)	-	\$ 349,488	-	\$ 1,758,550	\$ 24,437,083
6/30/05	*	\$ 24,069,742	\$ 602,45	\$	61,951	\$ 409,034	-	\$ 850,000	\$ 25,993,178
6/30/06	*	\$ 26,263,569	\$ 649,080	) \$	48,438	\$ 602,210	-	\$ 850,000	\$ 28,413,297
6/30/07		\$ 29,577,586	\$ 1,014,953	\$	41,100	\$ 703,867	-	\$ 850,000	\$ 32,187,506
6/30/08		\$ 33,394,363	\$ 1,029,91	5 \$	53,500	\$ 553,705	\$ 99,438	\$ 850,000	\$ 35,980,922
6/30/09		\$ 36,478,886	\$ 1,005,060	) \$	61,795	\$ 683,528	\$ 77,275	\$ 850,000	\$ 39,156,544
6/30/10		\$ 40,929,109	\$ 1,170,60	\$	66,549	\$ 673,160	-	\$ 850,000	\$ 43,689,423
6/30/11		\$ 45,022,104	\$ 1,189,03	) \$	138,200	\$ 766,692	-	\$ 650,000	\$ 47,766,026

### **DEDUCTIONS BY TYPE**

\*Beginning with June 30, 2001 the amounts listed under Administrative, Investment, Depreciation, Actuarial Expense and Other Expenses have been reclassified to conform to the 2005 presentation. MCERA separated the types of refunds as of 2008 presentation.



# SCHEDULE OF CHANGES IN NET ASSETS

		ount in thousands)			
Additions	6/30/11	6/30/10	6/30/09	6/30/08	6/30/07
Plan members contributions	\$9,754	\$9,864	\$9,916	\$9,358	\$8,755
Employer contributions	36,662	29,137	27,883	23,751	23,232
Net investment income	96,032	48,772	(105,689)	(33,797)	73,614
Total additions	142,448	87,773	(67,890)	(688)	105,601
Deductions					
Benefits paid	45,022	40,929	36,479	33,394	29,578
Administrative expenses	1,189	1,171	1,005	1,030	1,014
Actuarial expenses	138	67	62	54	41
Refunds	767	673	761	653	704
401(h) distribution	650	850	850	850	850
Total deductions	47,766	43,690	39,157	35,981	32,187
Change in net assets	\$94,683	\$44,083	(\$107,047)	(\$36,669)	\$73,414
Net asset held in trust					
at beginning of the year	\$419,678	\$375,595	\$482,642	\$519,311	\$445,897
Net asset held in trust					
at end of the year	\$514,361	\$419,678	\$375,595	\$482,642	\$519,311
Additions	6/30/06	6/30/05	6/30/04	6/30/03	6/30/02
Plan members contributions	\$8,222	\$4,585	\$3,348	\$3,298	\$3,187
Employer contributions	14,750	8,931	7,269	7,201	7,731
Net investment income	32,191	34,840	46,098	16,957	(19,790)
Total additions	55,163	48,356	56,715	27,456	(8,872)
Deductions					
Benefits paid	26,264	24,070	21,499	19,346	17,265
Administrative expenses	649	602	830	820	586
Actuarial expenses	48	62	-	-	7
Refunds	602	409	349	498	625
401(h) distribution	850	850	850	850	850
Total deductions	28,413	25,993	23,528	21,514	19,333
Change in net assets	\$26,750	\$22,363	\$33,187	5,942	(\$28,205)
Net asset held in trust					
at beginning of the year	\$419,147	\$396,784	\$364,506	\$357,714	\$385,920
Net asset held in trust at end of the year	\$445,897	\$419,147	\$396,784	\$364,506	\$357,714

### SCHEDULE OF BENEFIT EXPENSES BY TYPE

(Dollar Amounts in thousands)											
		2011*	2010*	2009*	2008*	2007	2006	2005	2004	2003	2002
Service Retirement	;										
Payroll:											
General		\$31,770	\$28,665	\$25,086	\$22,868	\$21,924	\$18,081	\$16,378	\$14,977	\$13,197	\$11,238
Safety		5,845	5,404	4,720	4,139	3,813	3,448	3,030	2,506	2,349	1,908
	Total	\$37,615	\$34,069	\$29,806	\$27,007	\$25,737	\$21,529	\$19,408	\$17,483	\$15,546	\$13,146
<b>Disability Retiree</b>											
Payroll											
General		\$2,159	\$2,154	\$2,103	\$1,975	\$1,555	\$1,527	\$1,478	\$1,443	\$1,388	\$1,384
Safety		2,522	2,424	2,396	2,312	1,907	1,913	1,816	1,769	1,572	1,483
	Total	\$4,681	\$4,578	\$4,499	\$4,287	\$3,462	\$3,440	\$3,294	\$3,212	\$2,960	\$2,867
Beneficiary/Survivo	ors										
Payroll											
General		\$2,049	\$1,762	\$1,574	\$1,686	\$1,957	\$1,734	\$1,613	\$1,511	\$1,347	\$1,211
Safety		521	412	380	414	667	594	551	575	515	449
	Total	\$2,570	\$2,174	\$1,954	\$2,100	\$2,624	\$2,328	\$2,164	\$2,086	\$1,862	\$1,660
<b>Total Payroll Expe</b>	nse										
Payroll											
General		\$35,978	\$32,580	\$28,763	\$26,529	\$25,436	\$21,342	\$19,470	\$17,931	\$15,932	\$13,833
Safety		8,887	8,240	7,496	6,865	6,387	5,955	5,397	4,849	4,437	3,840
	Total	\$44,865	\$40,820	\$36,259	\$33,394	\$31,823	\$27,297	\$24,867	\$22,780	\$20,369	\$17,673
<b>Death Benefits</b>											
General		\$81	\$99	\$179	N/A						
Safety		N/A	9	41	N/A						
	Total	\$81	\$108	\$220	N/A						
Separation Refund	Expense										
General		\$729	\$599	\$562	N/A						
Safety		37	74	122	N/A						
	Total	\$766	\$673	\$684	N/A						
Active Death Expen	nse										
General		\$82	N/A	\$77	N/A						
Safety		N/A	N/A	-	N/A						
	Total	\$82	N/A	\$77	N/A						

(Dollar Amounts in thousands)

\* Prior to 2008 this information was provided by the MCERA's actuary and included benefit payments expected to be distributed, refunds and 401(h) distribution to County and did not represent actual amounts distributed. In 2008 MCERA is calculating this information as actual benefits distributed. In 2009 MCERA added separation refunds, death refunds and death benefits. Prior to 2009 this information was not separately identified. The information was compiled from County of Merced Information Systems. In 2011 MCERA changed death refund expense to active death expense to better identify expense for active member death.

	GENERAL	MEMBERS	<b>SAFETY</b>	MEMBERS	TOTAL		
Type of Benefit	Number	Average Monthly Allowances	Number	Average Monthly Allowances	Number	Average Monthly Allowances	
Service Retirement	1,293	\$2,048	170	\$2,865	1,463	\$2,143	
Disability	139	\$1,289	94	\$2,230	233	\$1,669	
Beneficiaries/Survivors	158	\$1,077	29	\$1,496	187	\$1,142	
Total Retired Members	1,590	\$1,885	293	\$2,526	1,883	\$1,985	

#### SCHEDULE OF RETIRED MEMBERS BY TYPE OF BENEFIT (Summary of Monthly Allowances Being Paid—As of June 30, 2011)

This schedule excludes separation refunds and death refunds

Total

1,883

1,826

1,713

1,663

1,619

1,521

1,476



1,416

1,348

1,294

### SUMMARY OF RETIRED MEMBERSHIP For Years Ended June 30, 2011 (Basic and Total Annual Allowance Dollars in Millions)

,										
	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002
GENERAL										
Number	1,590	1,545	1,454	1,412	1,381	1,294	1,260	1,228	1,147	1,108
Basic Annual Allowance	\$29,232	\$26,331	\$22,771	\$22,592	\$20,021	\$16,553	\$15,000	\$13,786	\$12,119	\$10,298
Average Basic Monthly Allowance	\$1,532	\$1,420	\$1,305	\$1,333	\$1,206	\$1,066	\$992	\$936	\$880	\$775
Total Annual Allowance	\$35,978	\$32,561	\$28,712	\$28,019	\$25,435	\$21,341	\$19,470	\$17,931	\$15,932	\$13,833
Average Total Monthly Allowance	\$1,886	\$1,756	\$1,646	\$1,654	\$1,533	\$1,374	\$1,288	\$1,217	\$1,158	\$1,040
SAFETY										
Number	293	281	259	251	238	228	217	213	201	187
Basic Annual Allowance	\$6,863	\$6,401	\$5,746	\$5,262	\$4,807	\$4,508	\$4,038	\$3,597	\$ 3,300	\$ 2,818
Average Basic Monthly Allowance	\$1,952	\$1,898	\$1,849	\$1,747	\$1,690	\$1,648	\$1,551	\$1,407	\$ 1,368	\$ 1,256
Total Annual Allowance	\$8,887	\$8,240	\$7,497	\$6,878	\$6,388	\$5,956	\$5,397	\$4,849	\$ 4,437	\$ 3,840
Average Total Monthly Allowance	\$2,528	\$2,444	\$2,412	\$2,284	\$2,246	\$2,177	\$2,073	\$1,897	\$1,840	\$1,711
TOTAL										
Number	1,883	1,826	1,713	1,663	1,619	1,522	1,477	1,441	1,348	1,259
Basic Annual Allowance	\$36,095	\$32,732	\$28,517	\$27,854	\$24,828	\$21,061	\$19,038	\$17,383	\$ 15,419	\$ 13,116
Average Basic Monthly Allowance	\$1,597	\$1,494	\$1,387	\$1,396	\$1,277	\$1,153	\$1,074	\$1,005	\$ 953	\$ 844
Total Annual Allowance**	\$44,865	\$40,801	\$36,209	\$34,897	\$31,823	\$27,297	\$24,867	\$22,780	\$ 20,369	\$ 17,673
Average Total Monthly Allowance	\$1,986	\$1,862	\$1,761	\$1,749	\$1,637	\$1,495	\$1,403	\$1,317	\$ 1,259	\$ 1,137

\*\* Total Annual Allowance includes COLA, and partial monthly payment/one-time catch up payment. Excludes death refunds, lump sum death benefits and separation refunds.

				Type of	Retireme	etirement* Option Selected**							
Amount of Monthly Benefit	Number of Members	1	2	3	4	5	6	<b>7</b> U	nmodified	Opt 1	Opt 2	Opt 3	Opt 4
1 - 250	90	25	42	16	0	7	0	0	59	8	17	6	0
251 - 500	163	36	82	18	4	7	16	0	124	4	31	4	0
501 - 750	217	54	105	38	8	2	10	0	183	10	20	4	0
751 - 1,000	191	63	80	30	7	2	9	0	164	8	17	1	1
1,001 - 1,250	179	68	68	12	1	9	21	0	159	3	12	4	1
1,251 - 1,500	149	63	48	13	3	13	9	0	131	2	12	4	0
1,501 - 1,750	125	58	34	9	3	19	2	0	115	0	9	1	0
1,751 - 2,000	98	41	30	4	0	20	3	0	86	2	9	1	0
Over 2000	671	362	204	22	4	75	4	0	602	20	37	11	1
Total	1883	770	693	162	30	154	74	0	1623	57	164	36	3

#### **RETIRED MEMBERS BY TYPE OF RETIREMENT** As of June 30, 2011

### Notes:

#### \*Type of Retirement:

- 1-Normal Retirement for age and service
- 2—Early retirement
- 3-Beneficiary payment, normal or early retirement
- 4-Beneficiary payment, death in service
- 5—Duty disability retirement
- 6-Non-duty disability retirement
- 7-Beneficiary payment, disability retirement

#### **\*\*Option Selected**

Unmodified Plan: beneficiary receives 60 % continuance.

The following options reduce the retired member's monthly benefit:

Option 1-Beneficiary receives lump sum or member's unused contributions

Option 2-Beneficiary receives 100% of member's reduced allowance

Option 3—Beneficiary receives 50% of member's reduced allowance

Option 4-Multiple beneficiaries receive a designated percentage of a reduced allowance

### MERCED COUNTY EMPLOYEES' RETIREMENT ASSOCIATION RETIRED MEMBERS AVERAGE BENEFIT PAYMENTS Last ten years

			Years of	f Credited Se	ervice		
<b>Retirement Effective Dates</b>	0-5	05-10	10-15	15-20	20-25	25-30	30+
Period 07/01/2010 to 06/30/2011							
Average monthly benefit	\$805	\$926	\$1,120	\$2,171	\$3,693	\$4,289	\$8,010
Average final average salary	\$8,545	\$5,111	\$4,042	\$4,657	\$5,715	\$5,687	\$8,180
Number of retired members	8	21	23	8	18	5	5
Period 07/01/2009 to 06/30/2010							
Average monthly benefit	\$359	\$1,247	\$1,354	\$2,831	\$4,149	\$4,563	\$5,294
Average final average salary	\$7,068	\$6,819	\$4,167	\$5,713	\$6,780	\$6,148	\$6,112
Number of retired members	7	14	25	24	31	15	22
Period 07/01/2008 to 06/30/2009							
Average monthly benefit	\$485	\$1,020	\$1,321	\$3,992	\$4,521	\$4,022	\$6,335
Average final average salary	\$7,668	\$4,285	\$4,545	\$3, <i>992</i> \$7,526	\$7,935	\$ <del>4</del> ,022 \$5,455	\$0,555 \$7,172
Number of retired members	\$7,008 5	94,205 9	۹ <del>۹</del> ,545 21	\$7,520 11	14	45,455 10	12
Number of retired memoers	5	,	21	11	14	10	12
Period 07/01/2007 to 06/30/2008							
Average monthly benefit	\$417	\$959	\$1,496	\$2,380	\$2,828	\$4,078	\$5,214
Average final average salary	\$6,765	\$4,366	\$4,714	\$5,203	\$6,662	\$5,470	\$4,311
Number of retired members	4	15	16	13	13	9	6
Period 07/01/2006 to 06/30/2007							
Average monthly benefit	\$1,650	\$873	\$1,291	\$1,939	\$3,209	\$3,890	\$6,176
Average final average salary	\$14,598	\$3,771	\$4,449	\$4,430	\$5,348	\$5,163	\$7,070
Number of retired members	1	12	25	32	16	19	17
D 105/01/2005 - 06/20/2006							
Period 07/01/2005 to 06/30/2006	¢	¢1.000	¢1 105	<b>\$2.17</b> (	<b>#2 7</b> 20	<b>#2 2</b> 00	<b>\$5.005</b>
Average monthly benefit	\$699 ¢4.282	\$1,000 \$2,400	\$1,185 \$4,104	\$2,176	\$2,730	\$3,290	\$5,095
Average final average salary Number of retired members	\$4,382 5	\$3,499 13	\$4,104 16	\$4,726 13	\$4,250 8	\$4,542 13	\$5,509 10
Number of retired members	3	15	10	15	0	15	10
Period 07/01/2004 to 06/30/2005							
Average monthly benefit	\$657	\$539	\$1,212	\$1,643	\$1,620	\$4,003	\$5,101
Average final average salary	\$6,041	\$3,802	\$4,476	\$4,160	\$3,190	\$5,913	\$6,591
Number of retired members	3	11	18	9	3	6	12
Period 07/01/2003 to 06/30/2004							
Average monthly benefit	\$414	\$510	\$977	\$1,332	\$1,658	\$2,870	\$3,577
Average final average salary	\$5,485	\$3,238	\$3,443	\$3,789	\$3,606	\$4,768	\$4,632
Number of retired members	5	14	19	30	16	11	23
Period 07/01/2002 to 06/30/2003	****	*	** ** *	<b>*</b> • • • • •			
Average monthly benefit	\$953	\$1,541	\$1,236	\$1,469	\$2,080	\$2,559	\$5,693
Average final average salary	\$4,854	\$4,657	\$4,018	\$3,784	\$4,669	\$4,648	\$7,125
Number of retired members	6	13	28	14	11	6	16
Period 07/01/2001 to 06/30/2002							
Average monthly benefit	\$438	\$780	\$1,005	\$1,130	\$1,398	\$1,485	\$4,310
Average final average salary	\$438 \$4,229	\$4,216	\$1,003	\$3,383	\$1,598	\$1,483	\$4,310 \$5,437
Number of retired members	\$ <del>4</del> ,229 5	\$ <del>4</del> ,210 11	\$3,877 17	\$3,383 16	\$3,004 9	\$5,217 4	\$5, <del>4</del> 57 8
	5	11	1 /	10	,	r	0

Note: Information compiled from the County of Merced, Information Systems.

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### ACTUARIAL BALANCE SHEET For the Years Ending June 30

		2010	2009
	ASSETS		
1.	Total actuarial value of assets	\$ 513,476,039	\$ 488,273,117
2.	Present value of future contributions by members	89,540,006	61,341,417
3.	Present value of future employer contributions for normal cost	77,786,428	72,246,261
4.	Present value of other future employer contributions (UAAL)	421,270,670	326,535,834
5.	Total Actuarial Assets	\$1,102,073,143	\$ 948,396,629
	LIABILITIES		
6.	Present value of retirement allowances payable to retired members and their survivors		
		\$532,694,876	\$ 448,230,960
7.	Present value of service retirement allowances payable to presently active member and their survivors	462,640,204	353,267,128
8.	Present value of allowances payable to current and future vested terminated members and their survivors	61,639,261	79,916,268
9.	Present value of disability retirement allowances payable to presently active members and their survivors	24,666,442	34,598,434
10.	Present value of death benefits payable on behalf of presently active members	8,782,584	7,799,138
11.	Present value of members' contributions to be returned upon withdrawal	7,735,133	19,456,340
12.	Special Reserves	3,914,643	5,128,361
13.	Total Actuarial Liabilities	\$1,102,073,143	\$ 948,396,629
	FUNDED RATIO		
14.	Present value of future benefits (items 6 to 12)	\$1,102,073,143	\$ 948,396,629
15.	Present value of future contributions by members and employers (items 2 and 3)	167,326,434	133,587,678
16.	Actuarial accrued liability (item 14 minus item 15)	934,746,709	814,808,951
17.	Actuarial value of assets	513,476,039	488,273,117
18.	Unfunded actuarial accrued liability (UAAL) (item 16 minus item 17)	\$412,270,670	\$326,535,834
19.	Funded Ratio	54.7%	59.7%

Note: Actuarial Balance Sheet provided by EFI Actuaries.

# PARTICIPATING EMPLOYERS AND ACTIVE MEMBERS

Current Year and Nine Years Ago (Information Compiled from Plan's Data Base)

County of Merced	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002
General Members	1,521	1,575	1,708	1,852	1,848	1,853	1,931	1,882	1,928	2,060
Safety Members	322	331	342	352	328	316	296	274	262	253
Total County of Merced	1,843	1,906	2,050	2,204	2,176	2,169	2,227	2,156	2,190	2,313
Percentage of Membership	92.85%	93.44%	93.87%	94.19%	94.69%	95.22%	99.87%	99.91%	99.91%	99.87%
Participating Agencies										
Merced Cemetery District	2	2	3	3	3	3	3	2	2	3
Percentage of Membership	.10%	.09%	.13%	.13%	.13%	.13%	.13%	.09%	.09%	.13%
Transit Joint Powers Authority	3	3	-	-	-	-	-	-	-	-
Percentage of Membership	.15%	.14%	-	-	-	-	-	-	-	-
Superior Court of California	137	137	137	133	119	106	-	-	-	-
Percentage of Membership	6.90%	6.33%	6.01%	5.68%	5.17%	4.65%	-	-	-	-
Total Participating Agencies	142	142	140	136	122	109	3	2	2	3
Total Active Membership										
General	1,663	1,717	1,848	1,988	1,970	1,962	1,934	1,884	1,930	2,063
Safety	322	331	342	352	328	316	296	274	262	253
Total	1,985	2,048	2,190	2,340	2,298	2,278	2,230	2,158	2,192	2,316