## CORRECTIONS OFFICER RETIREMENT PLAN



## 28th COMPREHENSIVE ANNUAL FINANCIAL REPORT A PENSION TRUST FUND OF THE STATE OF ARIZONA



FORTHE FISCAL YEAR ENDED JUNE 30, 2014

## Our Vision, Mission \& Values

## VISION

- Invest, secure and manage responsibly the retirement funds of its members in accordance with all legal, investment and financial requirements and in a manner consistent with the quality to which its members have become accustomed.


## MISSION

- To be a low cost, highly personalized quality service provider of funds management and benefit services.
- To manage long-term investments with the goal of consistently outperforming over time the composite weighted market return benchmark net of all investment related costs 50 as to assure the financial integrity of the funds and the security of the benefits these funds provide.


## VALUES

- Do what is best for our members and financial health and integrity of the System.
- Be proactive.
- Committed to high quality, uniform, sustainable service.
- Innovative and cost effective in Plan administration and services.
- Use best practices in HR management.


# Corrections Officer Retirement Plan 

# A Pension Trust Fund of the State of Arizona 

# Twenty-Eightth Comprehensive Annual Financial Report 

For the Fiscal Year Ended June 30, 2014

Prepared by the Staff of PSPRS

Public Safety Personnel Retirement System
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Government Finance Officers Association

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# Arizona Corrections Officer Retirement Plan 

For its Comprehensive Annual<br>Financial Report<br>for the Fiscal Year Ended

June 30, 2013


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Gregory Ferguson, Vice Chair
Jeff Allen McHenry, Trustee
Richard J. Petrenka, Trustee
Randie A. Stein, Trustee
Lauren W. Kingry, Trustee
William C. Davis, Trustee

PUBLIC SAFETY PERSONNEL RETIREMENT SYSTEM CORRECTIONS OFFICER RETIREMENT PLAN ELECTED OFFICIALS' RETIREMENT PLAN

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Administration
Ryan Parham Jared A. Smout
Chief Investment Officer Deputy Administrator

March 3, 2015
The Honorable Douglas A. Ducey
Governor of the State of Arizona
Executive Tower
1700 W. Washington
Phoenix, Arizona 85007

## Dear Governor Ducey:

The Board of Trustees (Board) of the Public Safety Personnel Retirement System (System) respectfully submits the twenty-eighth Comprehensive Annual Financial Report (CAFR) for the Corrections Officer Retirement Plan (CORP) for the fiscal year ended June 30, 2014 (FY'14), in accordance with the provisions of A.R.S. § 38-848. Under the direction of the Board, the primary responsibility for the integrity and objectivity of this CAFR and related financial data rests with the management of the Plan. It is a product of the collective efforts of the staff and is intended to provide complete and reliable information that will facilitate the management decision process and serve as a means for determining compliance with the Plan's governance and investment policies and legal requirements.

The financial statements were prepared in conformity with generally accepted accounting principles appropriate for government-sponsored defined benefit pension plans and have received a "clean" opinion from Heinfeld, Meech \& Co., P.C., Certified Public Accountants and auditors for the Plan. This unmodified opinion can be found at the beginning of the Financial Section. Management believes that all other financial information included in this annual report is consistent with those financial statements.

Immediately following the Independent Auditor's report is Management's Discussion and Analysis (MD\&A). It should be read in conjunction with this Letter of Transmittal. Also included in the report are the actuarial Certification Statement and the actuarial Balance Sheet from the June 30, 2014 Actuarial Valuation Report prepared by the Plan's actuary, Gabriel, Roeder, Smith \& Co. (GRS).

## History and Administration of the Plan

The Plan was established on July 1, 1986 by A.R.S. § 38-882, "in order to provide a uniform, consistent and equitable statewide program for those eligible corrections officers as defined by the plan" (A.R.S. § 38-900.01). In addition to state correctional officers, the Plan members also include county, city or town detention officers, dispatchers and probation officers. CORP is an agent multiple-employer defined benefit plan and is administered at the local level by 26 individual Local Boards in accordance with A.R.S. § 38-893. Each Local Board determines eligibility for membership, normal retirement benefits based on years of service, the annual benefit accrual rate and final average compensation; they also determine eligibility for disability benefits, survivor benefits for spouses and children, post-retirement adjustments and health insurance premium subsidies.

The contributions received from and benefits distributed for each local board are accounted for by the Board of Trustees through the administrative offices of the Plan. However, in accordance with A.R.S. § 38-848, the Board is not responsible for nor has the duty to review the actions or omissions of these Local Boards, but does have the discretion to seek review or rehearing (and does so) to protect the Plan as a whole. Additionally, although not part of the defined benefit plan, the Board also administers a separate cancer insurance program for members of the Plan.

## The Plan's Funding Status

As of fiscal year-end, the financial status of the CORP, as reflected in its funding ratio, decreased from 66.9\% at June 30, 2013, to 59.0\% at June 30, 2014. The primary contributor to this decline was the court-ordered reinstatement of the previous mechanism for funding permanent benefit increases (PBI). That mechanism was modified with the passage of SB 1609 in the Fiftieth Legislature, First Regular Session (2011), but was immediately challenged in the courts, along with other key pension reform initiatives, upon enactment. In February 2014, the Arizona Supreme Court affirmed the ruling of the Superior Court in the Fields case that changes made to the funding mechanism for PBls were unconstitutional as applied to already retired members. As such, the liability associated with the reinstatement of the previous PBI mechanism, which included retroactive payments back to 2011, accounted for $6.8 \%$ of the overall $7.9 \%$ decline.

This PBI mechanism requires that in any year in which the Plan generates an investment return in excess of $9 \%$, one-half of that excess return be diverted into the CORP Reserve for Future Benefit Increases. These Reserve assets finance the PBls for all eligible beneficiaries. As such, these assets are not used to decrease the Plan's unfunded liabilities, and the unfunded liabilities continue to rise as additional PBIs are awarded. This creates a scenario in which higher investment returns create additional unfunded liabilities that outpace or outmatch the Fund's ability to accumulate assets necessary to cover these liabilities.

Another factor contributing to the funding level decline is the ongoing recognition of asset losses from fiscal years 2008, 2009 and 2012, which continue to offset any gains enjoyed over the past seven-year smoothing period. This accounted for $2.3 \%$ of the overall decline in the funding ratio. Fortunately, 2014, is the last year that the Plan will have to account for 2008 losses in our seven-year actuarial smoothing methodology. Unfortunately, the one-seventh share of fiscal 2009 losses that will need to be recognized next fiscal year is $\$ 46$ million, which will, again, most assuredly impact future gains. Conversely, unexpected demographic changes allowed for a positive increase of $1.2 \%$ in the overall changes to the funding ratio.

While the numbers above are presented in the aggregate, it is important to remember that any aggregate number calculated for CORP is for comparison purposes only and does not necessarily reflect the most accurate picture of the Plan. Because CORP is an agent multiple-employer plan, it is comprised of 27 individual plans whose employers are responsible for their own assets and liabilities. As such, each individual plan has its own funding level. Therefore, a more appropriate representation of the Plan is a distribution of those employers by their individual funding status as shown by the following chart:

CORP Funding Level Distribution by * of Employers


While the majority of the membership falls within the aggregate funding level range, it is worth noting that $44 \%$ of the employers are more than $70 \%$ funded. Additionally, $70 \%$ of the employers have funding levels higher than the aggregate funding level of $59.0 \%$.

## Member and Employer Contribution Rates

In addition to decreased funding levels, the reinstatement of the previous PBI funding mechanism has also resulted in increases to employer contribution rates. Currently, the aggregate employer rate is $14.46 \%$ and will increase to $18.21 \%$ beginning July 1,2015 . The full effect of reinstating this PBI mechanism accounted for $3.47 \%$ of that increase. However, anticipating the adverse effects of that reinstatement on the individual employer contribution rates, the Board of Trustees adopted a 3-year phase-in policy which gives employers the option of contributing at the rate that reflects the full effect of the PBI mechanism reinstatement (the before phase-in rate) or the rate that phases-in the effects over 3 years (the after phase-in rate). While it is recommended that the employers contribute at the before phase-in rate, the aggregate after phase-in rate is $15.04 \%$, thereby offering some short-term relief to the employers.

Again, as with the funding level, the aggregate employer rate could be misinterpreted because each individual plan in CORP has its own employer contribution rate. Another distribution graph representing those individual rates is more informative:

CORP Employer Rate Distribution by * Employers


Similar to the funding level results, about the same number of employers are faring better in their individual employer contribution rate than the aggregate rate calculated for the whole.

In contrast with the other two plans the Board oversees, the employee contribution rates for CORP were not increased with the enactment of SB 1609. Those rates remain at $7.96 \%$ for the dispatchers and $8.41 \%$ for all other members of the Plan. However, the same legal challenge (Hall) that could reverse its sister plans' employee contribution rates does put CORP's new PBI funding mechanism in jeopardy. Should the plaintiffs ultimately prevail, the previous PBI mechanism could also be made available to eligible active members, the outcome of which will exacerbate the declining funding levels and increasing employer contribution rates.

## FY'14 Investment Results

While the Plan is administered at the local level, all assets managed by the Board of Trustees are pooled for investment purposes in accordance with A.R.S. § $38-848$. The FY'14 investment return is $13.28 \%$, net of fees. This is 543 basis points higher than the $7.85 \%$ actuarial assumed rate of return, but also 54 basis points lower than the $13.82 \%$ benchmark return for the Plan. Eleven of the Plan's asset classes had positive returns for the fiscal year; the only exception was "Real Estate" which had a $-1.26 \%$ return. In addition, half of all the asset classes outperformed their respective benchmarks.

The investment strategy of the Board is directly impacted by the reinstated PBI funding mechanism. This funding mechanism effectively prevents funding level improvements and can adversely affect funding levels when benefit increases add to the liabilities that must be supported by the fund. Low funding levels result in low risk tolerance and provide incentive for investment strategies that seek modest and consistent returns. However, the portfolio diversification needed for this conservative strategy has proven to be more secure than and only half as risky as traditional conservative portfolios. This type of strategy continues to attract national interest and serious consideration by our peers who are reevaluating their risk levels.

## New Developments and Management Initiatives

Our efforts over the past few years to increase communication and education with our Local Boards have been met with great success in helping them to better understand their duties and roles as administrators of their individual plans. Because of the increasing employer contribution rates and the heavier burden it has created, we have expanded these outreach efforts to focus more intently on the financial professionals and other decision makers at the local level, to assist with understanding the various components of their employer liabilities. Furthermore, we have begun assessing how we can provide broader, more robust communication channels and clear, concise messaging to those employers, our membership, and other interested stakeholders. This includes, but is not limited to, more outreach, website redesign, educational sessions and stakeholder meetings, to name a few.

Additionally, organizational efforts to become more efficient were begun in May by focusing more intently on our internal processes and procedures. To foster this process, construction continues on the Knowledge|Information Management Portal, a three-tiered, folder-based system for controlling the PSPRS operational documents and records. The portal enables enhanced organizational planning, execution and reporting. It integrates the processes and groups in the organization to create a uniform approach to document management and records retention, thereby increasing efficiency and strengthening decision making. Our goal over the next three to five years is to achieve International Organization for Standardization (ISO) Quality Certifications and apply for the Malcolm Baldrige Quality Award, the highest level of national quality recognition a U.S. organization can receive.

Finally, since late fall of 2013, we have been undergoing our sunset review and performance audit with the Office of the Auditor General. The collaborative relationship we have experienced with the Office over the past year has been very enlightening and is providing additional insight for more efficiencies and improvement. We look forward to the release of their report in fall 2015.

## Certificate of Achievement

The Government Finance Officers Association (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the Plan for the CORP Comprehensive Annual Financial Report (CAFR) for the fiscal year ended June 30, 2013. This was the twentieth consecutive year that the Plan has achieved this prestigious award. In order to be awarded a Certificate, a governmental entity must publish an easily readable and efficiently organized CAFR. This report must satisfy both generally accepted accounting principles and applicable legal requirements.

We believe our FY'14 CAFR continues to meet the Certificate of Achievement Program's requirements. We are, therefore, submitting it to the GFOA to determine its eligibility for a certificate.

## Conclusion

Our goal as the Board of Trustees is to bring every individual plan to at least $100 \%$ funded within our closed amortization period of 22 years ending June 30, 2036. Doing so will gradually bring the employer rates down to levels required to only cover each year's incremental portion (the normal cost), without an additional component for previously liabilities (the unfunded actuarial accrued liability). Some individual plans have already reached this level and others are expected to follow at varying rates.

While the funding horizon has always been the timeframe for reaching a fully funded status, the reversal of certain pension reform provisions (and the threat of reversal of others) adds additional stress to employer contribution rates as the Plan progresses toward the funding goal. However, over the past year the Board has noticed a more concerted effort amongst management, employers and stakeholders to better understand the issues at hand and work together toward a solution. This includes internal and external efforts for increased efficiency, communication and education amongst these groups.

As members of the PSPRS Board of Trustees, we intend to continue our efforts to secure the long-term financial integrity of the Plan and to faithfully serve the interests of the Plan's participants and beneficiaries.

We appreciate the opportunity to serve the State of Arizona, its political subdivisions and CORP members and we look forward to continuing to serve as Trustees.

Respectfully submitted,


Richard J. Petrenka, Member of the Board of Trustees

of the Boars 05 Trustees

Randell. Stew
Randie A. Stein, Member of the Board of Trustees


William C. Davis, Member of the Board of Trustees


Brian P. Tobin
Chairman


Gregory Ferguson
Vice Chairman


Jeff Allen McHenry
Trustee


Richard J. Petrenka
Trustee


Randie A. Stein
Trustee


Lauren W. Kingry
Trustee


William C. Davis
Trustee


Ryan Parham
Chief Investment Officer


Jared A. Smout
Deputy Administrator


## PROFESSIONAL ADVISORS

| ALBOURNE AMERICA, LLC | International Alternative Investment Consultant |
| :--- | :--- |
| BNY MELLON ASSET SERVICING | Independent Investment Advisor |
| BUCK CONSULTING, LLC | Compensation Consultant |
| COOLEY LLP | Investment Counsel |
| ERNST \& YOUNG LLP | Investment Consultant |
| FOLEY \& LARDNER, LLC | Investment Counsel |
| FOSTER PEPPER | Investment Counsel |
| GABRIEL ROEDER SMITH \& COMPANY | Actuary |
| GOODWIN PROCTER | Legislative Liaison |
| HEINFELD, MEECH \& CO. | Independent Auditor |
| HIGHGROUND, INC | Legislative Liaison |
| JACKSON WALKER LLP | Investment Counsel |
| KUTAK ROCK LLP | General Counsel |
| LIGHT STONE SOLUTIONS, LLC | Due Diligence |
| NEPC, LLC | Independent Investment Advisor |
| OFFICE OF THE ATTORNEY GENERAL | General Counsel |
| ORG PORTFOLIO MANAGEMENT LLC | Real Estate Consultant |
| OSAM INC. | IT Consultant |
| PATRICE ROBINSON CONSULTING | IT Consultant |
| PILLSBURY | Investment Counsel |
| PUBLIC POLICY PARTNERS | Legislative Liaison |
| ROPES \& GRAY LLP | Investment Counsel |
| STEPSTONE GROUP LLC | Equity Advisors |
| STEPTOE \& JOHNSON, LLP | Litigation Counsel |

A schedule of Administrative Consultant fees may be found in the Financial Section. A schedule of Investment Consultant fees, Brokerage Commissions and Research Expense may be found in the Investment Section.


HEINFELD, MEECH \& CO., P.C.
CPAs and Business Consultants

## INDEPENDENT AUDITOR'S REPORT

Board of Trustees<br>Public Safety Personnel Retirement System

## Report on the Financial Statements

We have audited the accompanying financial statements of Corrections Officer Retirement Plan (CORP), a component unit of the State of Arizona, which comprise the Statement of Fiduciary Net Position as of June 30, 2014, and the related Statement of Changes in Fiduciary Net Position for the year then ended, and the related notes to the financial statements.

## Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

## Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial 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 from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

## Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the net position of the Corrections Officer Retirement Plan, as of June 30, 2014, and the respective changes in its net position, for the year then ended in accordance with accounting principles generally accepted in the United States of America.

## Change in Accounting Principle

As described in Note 1, CORP implemented the provisions of the Governmental Accounting Standards Board (GASB) Statement No. 67, Financial Reporting for Pension Plans - an Amendment of GASB Statement No. 10 and No. 62, for the year ended June 30, 2014, which represents a change in accounting principle. Our opinion is not modified with respect to this matter.

## Other Matters

## Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the Management's Discussion and Analysis and the Required Supplementary Information, as listed in the table of contents under the Financial Section, be presented to supplement the financial statements. Such information, although not a part of the financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the 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 financial statements, and other knowledge we obtained during our audit of the 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.

## Other Information

Our audit was conducted for the purpose of forming an opinion on the CORP's financial statements. The Introductory Section, Supporting Schedules Information, Investment Section, Actuarial Section and Statistical Section, as listed in the table of contents, are presented for purposes of additional analysis and are not a required part of the financial statements.

The Supporting Schedules Information, as listed in the table of contents under the Financial Section, is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. Such information has been subjected to the auditing procedures applied in the audit of the 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 Supporting Schedules Information is fairly stated in all material respects in relation to the financial statements as a whole.

The Introductory Section, Investment Section, Actuarial Section and Statistical Section have not been subjected to the auditing procedures applied in the audit of the financial statements and, accordingly, we do not express an opinion or provide any assurance on them.

## Other Reporting Required by Government Auditing Standards

In accordance with Government Auditing Standards, we have also issued our report dated March 3, 2015, on our consideration of the CORP's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with Government Auditing Standards in considering the CORP's internal control over financial reporting and compliance.

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HEINFELD, MEECH \& CO., P.C.
CPAs and Business Consultants
March 3, 2015

## CORP MANAGEMENT DISCUSSION \& ANALYSIS

The Corrections Officer Retirement Plan's discussion and analysis is designed to assist the reader in focusing on significant financial issues, provide an overview of the Plan's financial activity, identify changes in the Plan's financial position and identify any issues or concerns.

Since the Management's Discussion and Analysis (MD\&A) is designed to focus on the current year's activities, resulting changes and currently known facts, it is intended to be read in conjunction with the Transmittal Letter, Financial Statements and Notes to the Financial Statements.

## FINANCIAL HIGHLIGHTS

Key financial highlights for 2014 are as follows:

- The Corrections Officer Retirement Plan (CORP) had a total rate of return (net of fees) of $13.28 \%$ this year. Our total portfolio underperformed the target fund benchmark by 54 basis points. This is an improvement from the prior year's return of $10.64 \%$
- In compliance with the Supreme Court decision regarding permanent benefit increase (PBI) payments, the Future Benefit Increase Reserve was restored effective FY 2012 for those members who retired effectively on or before July 1, 2011. The retroactive funding of the reserves and the increase for FY 2014, were depleted with the distribution of a retroactive PBI increase and PBI for FY 2014 effective July 1, 2014.
- Retirement benefits paid totaled $\$ 110.12$ million for the current year, compared to $\$ 97.64$ million for the previous year. This represents a $12.78 \%$ increase from the prior year.


## OVERVIEW OF THE FINANCIAL STATEMENTS

Using this Comprehensive Annual Financial Report (CAFR)
This annual report consists of a series of financial statements and notes to those financial statements. These statements are organized so the reader can understand the Plan as an operating entity. The statements and notes then proceed to provide an increasingly detailed look at specific financial activities.

## The Statement of Fiduciary Net Position and The Statement of Changes in Fiduciary Net Position

These statements include all assets and liabilities of the Plan using the accrual basis of accounting, which is similar to the accounting used by most private-sector companies. These two statements report the Plan's net position and changes in them. Net position is the difference between assets and liabilities, one way to measure the financial health, or financial position. Over time, increases or decreases in the net position are one indicator of the financial health of the Plan.

## Notes to the Financial Statements

The notes provide additional information that is essential to a full understanding of the data provided in the financial statements. The notes can be found immediately following The Statement of Fiduciary Net Position and The Statement of Changes in Fiduciary Net Position.

## Required Supplementary Information

The basic financial statements are followed by a section of required supplemental information. This section includes the Schedule of Funding Progress, Schedule of Employer Contributions, Schedule of Pension Contributions, Schedule of Employer's Net Pension Liability, Money-Weighted Rate of Return, and Schedule of Changes in Employers Net Pension Liability.

## Supporting Schedules Information

The Supporting Schedules Information Section include the Schedule of Changes in Fund Balance Reserves, Schedule of Administrative Expenses and Payments to Consultants, the Schedule of Cash Receipts and Cash Disbursements. The total columns and information provided on these schedules carry forward to the applicable financial statement.

## FINANCIAL ANALYSIS OF THE PLAN

The following schedules present comparative summary financial statements of the System for FY2014 and FY2013. Following each schedule is a brief summary of the significant changes noted in these schedules.

## SUMMARY COMPARATIVE STATEMENTS OF FIDUCIARY NET POSITION

|  | As of 06/30/2014 | As of 06/30/2013 | Change | \% Change |
| :--- | ---: | ---: | ---: | ---: |
| Cash and Short-Term Investments | $59,615,553$ | $29,639,900$ | $29,975,653$ | $101.13 \%$ |
| Total Receivables | $12,349,686$ | $5,117,432$ | $7,232,254$ | $141.33 \%$ |
| Total Investments | $\mathbf{1 , 5 3 5 , 6 8 6 , 7 5 2}$ | $1,379,625,470$ | $156,061,282$ | $11.31 \%$ |
| Securities Lending Collateral | $115,258,713$ | $43,752,548$ | $71,506,165$ | $163.43 \%$ |
| Net Capital Assets | 621,634 | 645,015 | $(23,381)$ | $(3.62) \%$ |
| Total Plan Assets | $\mathbf{1 , 7 2 3 , 5 3 2 , 3 3 8}$ | $\mathbf{1 , 4 5 8 , 7 8 0 , 3 6 5}$ | $\mathbf{2 6 4 , 7 5 1 , 9 7 3}$ | $\mathbf{1 8 . 1 5 \%}$ |
| Accrued Accounts Payable | $4,018,522$ | $1,912,740$ | $\mathbf{2 , 1 0 5 , 7 8 2}$ | $110.09 \%$ |
| Investment Purchases Payable | $5,686,881$ | $\mathbf{3 , 5 3 5 , 0 5 6}$ | $\mathbf{2 , 1 5 1 , 8 2 5}$ | $60.87 \%$ |
| Securities Lending Collateral | $\mathbf{1 1 5 , 2 5 8 , 7 1 3}$ | $43,752,548$ | $\mathbf{7 1 , 5 0 6 , 1 6 5}$ | $163.43 \%$ |
| Total Plan Liabilities | $\mathbf{1 2 4 , 9 6 4 , 1 1 6}$ | $\mathbf{4 9 , 2 0 0 , 3 4 4}$ | $\mathbf{7 5 , 7 6 3 , 7 7 2}$ | $\mathbf{1 5 3 . 9 9 \%}$ |
| Net Position | $\mathbf{1 , 5 9 8 , 5 6 8 , \mathbf { 2 2 2 }}$ | $\mathbf{1 , 4 0 9 , 5 8 0 , 0 2 1}$ | $\mathbf{1 8 8 , 9 8 8 , 2 0 1}$ | $\mathbf{1 3 . 4 1 \%}$ |

## Summary Comparative Statements of Plan Fiduciary Net Position Analysis

The total plan net position held in trust for benefits at June 30,2014 were $\$ 1.59$ billion, a $13.41 \%$ increase from $\$ 1.41$ billion at June 30 , 2013. The increase in net position is primarily due to favorable financial markets during the fiscal year. The increase in cash and/or increase in receivables is attributable to normal fluctuations in investment income receivables during the year. CORP is fully deploying cash in other investments vehicles like exchange traded funds, equities, fixed income and private equity. Detailed information regarding the Plan's investment portfolio is included in the investment section of this report. The increase in security lending collateral is due to normal fluctuations in the lending program as well as an increase in exposure to other alternative investments. The investment of the collateral fluctuated in a similar manner.

## SUMMARY COMPARATIVE STATEMENTS OF CHANGES IN FIDUCIARY NET POSITION

|  | 2014 | 2013 | Change | \% Change |
| :---: | :---: | :---: | :---: | :---: |
| ADDITIONS |  |  |  |  |
| Total Contributions and Service Purchase | 136,681,959 | 119,904,091 | 16,777,868 | 13.99\% |
| Net Investment Income (Loss) | 194,516,872 | 138,267,533 | 56,249,339 | 40.68\% |
| Service Transfers | 296,833 | 184,576 | 112,257 | 60.82\% |
| Total Additions (Reductions) | 331,495,664 | 258,356,200 | 73,139,464 | 28.31\% |
| DEDUCTIONS |  |  |  |  |
| Benefits | 110,124,375 | 97,642,968 | 12,481,407 | 12.78\% |
| Service Transfers and Refunds | 30,945,397 | 32,020,128 | $(1,074,731)$ | (3.36)\% |
| Administrative Expenses | 1,437,691 | 1,266,690 | 171,001 | 13.50\% |
| Total Deductions | 142,507,463 | 130,929,786 | 11,577,677 | 8.84\% |
| Net Increase (Decrease) | 188,988,201 | 127,426,414 | 61,561,787 | 48.31\% |
| Balance Beginning of Year - July 1 | 1,409,580,021 | 1,282,153,607 | 127,426,414 | 9.94\% |
| Balance End of Year - June 30 | 1,598,568,222 | 1,409,580,021 | 188,988,201 | 13.41\% |

## Summary Comparative Statements of Changes in Plan Fiduciary Net Position Analysis

Employer and employee contributions for FY2014 increased $\$ 16.78$ million due to increased employee and employer contribution rates during fiscal year 2014. For FY 2014, CORP recognized a net investment gain of $\$ 194.52$ million which compares to a $\$ 138.27$ million gain in the previous year. This $40.68 \%$ increase was due to the positive returns in the financial markets during the fiscal year.

Deductions from the CORP net position held in trust for benefits consist primarily of pension, disability, survivor benefits, member refunds and administrative expenses. For FY 2014, these deductions for benefits totaled $\$ 110.12$ million, an increase of $12.78 \%$ from the $\$ 97.64$ million paid during FY 2013. Refunds and service transfers decreased $\$ 1.07$ million over the prior year which equates to $-3.36 \%$. Refunds represent a return of contributions held on account when a member leaves employment. This increase is due to current economic conditions that have led to layoffs and reduction of many governmental services. Administrative expenses increased $13.50 \%$.

## INVESTMENT ACTIVITIES



During FY 2007, the Board of Trustees adopted a more diversified asset allocation policy and began an asset management restructuring that has been deployed over the past four years. As illustration, at the end of FY07, $72.8 \%$ of the entire investment portfolio was invested in equities versus $30.5 \%$ at the end of FY2014. Fixed income had remained about $19 \%$ of the entire portfolio prior to being reduced to $9.5 \%$ in FY2014. However, alternative investments have increased from $3.5 \%$ in FY07 to 56.4\% in FY2014.

At June 30, 2014, CORP held $\$ 486.01$ million in equities. The FY 2014 rate of return for Total CORP equities was $21.20 \%$ versus a benchmark rate of return of $23.68 \%$. At June 30,2014 , CORP held $\$ 150.88$ million in fixed income securities. The FY 2014 rate of return for CORP fixed income securities was $6.21 \%$ versus a benchmark Rate of return of $7.39 \%$. The benchmarks for both equities and fixed income securities are representative of the returns that could be expected in a similar investing environment. More detailed information regarding the Plan's investment portfolio can be found in the investment section of this report .
CORP earns additional income by lending investment securities to brokers. This was done on a pooled basis by our custodial banks, BNY Mellon. The brokers provide collateral and generally use the borrowed securities to cover short trades and failed trades.

In an effort to be more transparent in our financial reporting and to better track the performance of each investment, we have changed the way we are reporting in-vestment-related fees and expenses. Previously, many of our investments were reported by their respective managers on a net of fee basis only. For those investments, we did not report a management fee. Beginning with FY2013, we have been proactive in obtaining the information on fees and expenses for those investments. This has resulted in an increase of reported management fees, year-over-year; however, this increase was due to the change in reporting, not to actual higher management fees. The investments are still being reported net of fees.

## HISTORICAL TRENDS



Accounting standards require that the "Statement of Fiduciary Net Position" reflect investment asset values at fair market value and include only benefits and refunds due to plan members and beneficiaries and accrued investment and administrative expenses as of the reporting date. Information regarding the actuarial funding status of the plan is provided in the "Schedule of Funding Progress." The asset value stated in the "Schedule of Funding Progress", for health insurance only, is the actuarial value of assets as determined by calculating the ratio of the market value to book value of assets and the actuarial gains/losses smoothed over a seven year period. Actuarial valuations of the CORP assets and benefit obligations for the retirement plan are performed annually. The most recent actuarial valuation available is as of June 30, 2014.
At June 30,2014 , the total funded status of the CORP decreased to $59.0 \%$ from $66.9 \%$ at FYE 2013. This decrease in funded status is related primarily to the seven year smoothing period with only $1 / 7$ of the investment gain from the FY2014 investment return being reflected in the calculation. The market value smoothing techniques used in this valuation of the Plan recognize both past and present investment gains and losses. A more detailed discussion of the funding status can be found in the Administrator's Letter of Transmittal in the Introductory Section of this report.

## REQUEST FOR INFORMATION

This report is designed to provide a general overview of the Corrections Officer Retirement Plan's finances. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to: Corrections Officer Retirement Plan, 3010 E. Camelback Road, Suite 200, Phoenix, AZ 85016.

## COMBINED STATEMENT OF FIDUCIARY NET POSITION

JUNE 30, 2014 WITH COMPARATIVE TOTALS FOR 2013

|  | PENSION | HEALTH INSURANCE | PENSION | AOC HEALTH INSURANCE | COMBINED 2014 | COMBINED 2013 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ASSETS |  |  |  |  |  |  |
| Cash and Short-Term Investments | 44,047,298 | 3,502,595 | 11,834,411 | 231,249 | 59,615,553 | 29,639,900 |
| RECEIVABLES |  |  |  |  |  |  |
| Member Contributions | 464,795 | - | 297,654 | - | 762,449 | 857,932 |
| Employer Contributions | 625,540 | 47,434 | 551,419 | 41,814 | 1,266,207 | 1,203,920 |
| Interest and Dividends | 1,080,347 | 83,282 | 290,262 | 5,498 | 1,459,389 | 1,417,573 |
| Investment Sales | 6,531,185 | 525,259 | 1,754,766 | 34,679 | 8,845,889 | 1,625,731 |
| Other | 9,580 | 3,375 | 2,574 | 223 | 15,752 | 12,276 |
| Total Receivables | 8,711,447 | 659,350 | 2,896,675 | 82,214 | 12,349,686 | 5,117,432 |
| INVESTMENTS AT FAIR VALUE (NOTES 2 AND 3) |  |  |  |  |  |  |
| U.S. Equity | 194,505,337 | 15,642,756 | 52,258,736 | 1,032,768 | 263,439,597 | 256,644,032 |
| Non U.S. Equity | 164,330,926 | 13,216,030 | 44,151,624 | 872,551 | 222,571,131 | 198,214,057 |
| GTAA | 107,730,328 | 8,664,025 | 28,944,454 | 572,018 | 145,910,825 | 120,617,283 |
| Fixed Income | 111,402,400 | 8,959,345 | 29,931,048 | 591,515 | 150,884,308 | 156,185,967 |
| Credit Opportunities | 103,813,847 | 8,349,049 | 27,892,193 | 551,222 | 140,606,311 | 127,251,244 |
| Private Equity | 157,170,323 | 12,640,151 | 42,227,748 | 834,530 | 212,872,752 | 160,061,132 |
| Real Assets | 80,758,608 | 6,494,872 | 21,697,825 | 428,805 | 109,380,110 | 89,688,236 |
| Real Estate | 126,952,343 | 10,209,923 | 34,108,930 | 674,081 | 171,945,277 | 181,576,794 |
| Absolute Return | 46,221,957 | 3,717,321 | 12,418,688 | 245,425 | 62,603,391 | 57,962,926 |
| Risk Parity | 40,957,413 | 3,293,929 | 11,004,236 | 217,472 | 55,473,050 | 31,423,799 |
| Total Investments | 1,133,843,482 | 91,187,401 | 304,635,482 | 6,020,387 | 1,535,686,752 | 1,379,625,470 |
| Securities Lending Collateral | 85,098,957 | 6,843,937 | 22,863,968 | 451,851 | 115,258,713 | 43,752,548 |
| CAPITAL ASSETS (NOTE 4) |  |  |  |  |  |  |
| Land | 68,251 | - | 18,337 | - | 86,588 | 86,588 |
| Building | 515,492 | - | 138,500 | - | 653,992 | 661,246 |
| Funiture, Fixtures \& Equipment | 174,923 | - | 46,998 | - | 221,921 | 202,387 |
| Total Capital Assets | 758,666 | - | 203,835 | - | 962,501 | 950,221 |
| Accumulated Depreciation | $(268,680)$ | - | $(72,187)$ | - | $(340,867)$ | $(305,206)$ |
| Net Capital Assets | 489,986 | - | 131,648 | - | 621,634 | 645,015 |
| TOTAL PLAN ASSETS | 1,272,191,170 | 102,193,283 | 342,362,184 | 6,785,701 | 1,723,532,338 | 1,458,780,365 |
| LIABILITIES |  |  |  |  |  |  |
| Accrued Accounts Payable | 3,167,495 | - | 851,027 | - | 4,018,522 | 1,912,740 |
| Investment Purchases Payable | 4,198,795 | 337,682 | 1,128,111 | 22,293 | 5,686,881 | 3,535,056 |
| Securities Lending Collateral | 85,098,956 | 6,843,938 | 22,863,969 | 451,850 | 115,258,713 | 43,752,548 |
| Total Plan Liabilities | 92,465,246 | 7,181,620 | 24,843,107 | 474,143 | 124,964,116 | 49,200,344 |
| NET POSITION HELD IN TRUST FOR PENSION AND HEALTH INSURANCE BENEFITS | 1,179,725,924 | 95,011,663 | 317,519,077 | 6,311,558 | 1,598,568,222 | 1,409,580,021 |
| NET POSITION RESERVES |  |  |  |  |  |  |
| Refundable Members' Reserve | 317,239,326 | - | 79,115,789 | - | 396,355,115 | 383,894,028 |
| Employers' Reserve | 862,486,598 | 95,011,665 | 238,403,288 | 6,311,556 | 1,202,213,107 | 1,025,685,993 |
| Future Benefit Increase Reserve | - | - | - | - | - | - |
| Total Net Position Reserves | 1,179,725,924 | 95,011,665 | 317,519,077 | 6,311,556 | 1,598,568,222 | 1,409,580,021 |

## COMBINED STATEMENT OF CHANGES IN FIDUCIARY NET POSITION

FISCAL YEAR ENDING 2014 WITH COMPARATIVE TOTALS FOR 2013

|  | PENSION | HEALTH INSURANCE | AOC PENSION | AOC HEALTH INSURANCE | COMBINED 2014 | COMBINED 2013 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ADDITIONS |  |  |  |  |  |  |
| Contributions |  |  |  |  |  |  |
| Members' Contributions (NOTES 2,5) | 42,697,294 | - | 9,039,472 | - | 51,736,766 | 50,648,775 |
| Employers' Contributions (NOTES 2,5) | 62,039,608 | 5,477,173 | 15,535,250 | 1,204,069 | 84,256,100 | 68,237,132 |
| Members' Service Purchase | 373,310 | - | 92,717 | - | 466,027 | 814,501 |
| Alternate Employer Contributions | 206,683 | - | 16,383 | - | 223,066 | 203,683 |
| Total Contributions | 105,316,895 | 5,477,173 | 24,683,822 | 1,204,069 | 136,681,959 | 119,904,091 |
| Investment Income |  |  |  |  |  |  |
| From Investment Income |  |  |  |  |  |  |
| Net Appreciation (Depreciation) in Fair Value of Invest. (NOTES 2,3) | 148,193,599 | 11,185,578 | 38,128,928 | 700,517 | 198,208,622 | 124,825,292 |
| Interest | 1,422,969 | 107,405 | 366,117 | 6,726 | 1,903,217 | 1,247,455 |
| Dividends | 8,414,114 | 635,093 | 2,164,878 | 39,774 | 11,253,859 | 10,168,614 |
| Other Income | 11,094,392 | 837,399 | 2,854,491 | 52,444 | 14,838,726 | 15,177,032 |
| From Securities Lending Activities |  |  |  |  |  |  |
| Securities Lending Activities (NOTE 3) |  |  |  |  |  |  |
| Securities Lending Income | 133,326 | 10,064 | 34,303 | 630 | 178,323 | 45,804 |
| Borrower Rebates | 256,884 | 19,390 | 66,094 | 1,214 | 343,582 | 210,973 |
| Agents Share of Income | $(58,458)$ | $(4,413)$ | $(15,041)$ | (276) | $(78,188)$ | $(38,318)$ |
| Net Securities Lending Income | 331,752 | 25,041 | 85,356 | 1,568 | 443,717 | 218,459 |
| Total Investment Income (Loss) | 169,456,826 | 12,790,516 | 43,599,770 | 801,029 | 226,648,141 | 151,636,852 |
| Less Investment Expense | $(24,023,417)$ | $(1,813,275)$ | $(6,181,017)$ | $(113,560)$ | $(32,131,269)$ | $(13,369,319)$ |
| Net Investment Income (Loss) | 145,433,409 | 10,977,241 | 37,418,753 | 687,469 | 194,516,872 | 138,267,533 |
| Transfers Into System | 44,127 | - | 252,706 | - | 296,833 | 184,576 |
| Total Additions (Reductions) | 250,794,431 | 16,454,414 | 62,355,281 | 1,891,538 | 331,495,664 | 258,356,200 |
| DEDUCTIONS |  |  |  |  |  |  |
| Pension Benefits (NOTE 2) | 90,268,580 | - | 15,051,350 | - | 105,319,930 | 93,179,451 |
| DROP Benefits (NOTE 2) | 1,050,277 | - | 716,605 | - | 1,766,882 | 1,633,892 |
| Health Insurance Subsidy | - | 2,728,206 | - | 309,357 | 3,037,563 | 2,829,625 |
| Refunds To Terminated Members (NOTE 2) | 29,131,822 | - | 1,314,886 | - | 30,446,708 | 31,179,499 |
| Administrative Expenses | 1,143,482 | - | 294,209 | - | 1,437,691 | 1,266,690 |
| Transfers Out of System | 437,114 | - | 61,575 | - | 498,689 | 840,629 |
| Total Deductions | 122,031,275 | 2,728,206 | 17,438,625 | 309,357 | 142,507,463 | 130,929,786 |
| NET INCREASE (DECREASE) | 128,763,156 | 13,726,208 | 44,916,656 | 1,582,181 | 188,988,201 | 127,426,414 |
| NET POSITION HELD IN TRUST FOR PENSION AND HEALTH INSURANCE BENEFITS |  |  |  |  |  |  |
| Beginning of Year, July 1 | 1,050,962,768 | 81,285,457 | 272,602,421 | 4,729,375 | 1,409,580,021 | 1,282,153,607 |
| End of Year, June 30 | 1,179,725,924 | 95,011,665 | 317,519,077 | 6,311,556 | 1,598,568,222 | 1,409,580,021 |

FINANCIAL SECTION

## CORP NOTES TO THE FINANCIAL STATEMENTS

## NOTE 1: PLAN DESCRIPTION

## ORGANIZATION

The Corrections Officer Retirement Plan (CORP), a pension trust fund of the State of Arizona, is a multiple-employer public employee retirement plan established by Title 38, Chapter 5, Article 6 of the Arizona Revised Statutes, to provide benefits for prison and jail employees of certain state, county and local governments. CORP includes a cost-sharing multiple-employer plan for Administrative Office of the Courts (AOC) probation officers and an agent multiple-employer plan for all other members. Governmental Accounting Standards Board (GASB) Statement No. 67, implemented as of June 30, 2014, requires the cost-sharing and agent plans to be presented separately. GASB 67 also requires additional disclosures and required supplementary information for the cost-sharing plan that are not required for the agent plan. The Board of Trustees (formerly Fund Manager) of the Public Safety Personnel Retirement System (PSPRS) and 26 local boards administer the CORP Plan.

AOC provides the same benefits as CORP. The significant accounting and investment policies used for CORP are also used for AOC.
Effective August 6, 1999, it became the Governor's responsibility to appoint all members of the Board of Trustees. Effective April 28, 2010, SB 1006 was passed that changed the name of the Fund Manager to Board of Trustees and expanded the size of the Board from five to seven members. SB 1006 also increased the term from three to five years. There will be a transitional period during which the terms of office may vary. The Board of Trustees is responsible for the investment of the Plan's assets, setting employer contribution rates in accordance with an actuarial study, adopting a budget, hiring personnel to administer the Plan, setting up records, setting up accounts for each member, paying benefits and the general protection and administration of the System. Substantial investment experience is required for the member of the Board that represents the state as an employer and the two public members of the Board.
Each eligible group participating in the Plan has a five-member local board. In general, each member serves a fixed four-year term. Each local board is responsible for determining eligibility for membership, service credits, eligibility for benefits, the timing of benefit payments, and the amount of benefits for its eligible group of employees. The various governing bodies pay all costs associated with the administration of the local boards.

Prior to January 1, 2014, the health insurance premium subsidy was considered an agency fund; provided by A.R.S. 38-906. The law was amended so all health insurance subsidies would be separated from benefits. The contributions for health insurance can only be used to pay health insurance benefits.

The addition or deletion of eligible groups does not require the approval of the other participating employers. The Board of Trustees approves new eligible groups for participation. The CORP is reported as a component unit of the State of Arizona.

The Board of Trustees of the CORP is also responsible for the investment and general administration of two other statewide retirement plans-the Elected Officials' Retirement Plan and the Public Safety Personnel Retirement System. The investments and expenses of these plans were held and accounted for separately from those of the CORP until September 1, 2008. Arizona Revised Statutes Section 38-848 was amended by Laws 2008, Ch. 286, § 22 to authorize the Board of Trustees to commingle the assets of the fund and the assets of all other plans entrusted to its management. Accordingly, the assets of these plans have been unitized but all receipts and earnings are credited and charges of payments are made to the appropriate employer, system or plan.

Since none of the plans have the authority to impose their will on any of the other plans, each plan is reported as its own stand-alone government.

At June 30, 2014 and 2013, the number of participating local government employer groups was:

| GROUP | $\mathbf{2 0 1 4}$ | $\mathbf{2 0 1 3}$ |
| :--- | ---: | ---: |
| County AOC | 15 | 15 |
| Cities | 1 | 1 |
| Detention | 14 | 14 |
| Dispatchers | 8 | 8 |
| State Agencies | 3 | 3 |
| Total Employers | $\mathbf{4 1}$ | $\mathbf{4 1}$ |

Any county or city in the State of Arizona may elect to have its eligible employees (generally, prison or jail personnel who have direct inmate contact) covered by CORP. At June 30, 2014 and 2013, statewide CORP membership consisted of::

|  | RETIREMENT PLAN |  |  |  |  |  | INSURANCE SUBSIDY |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MEMBERSHIP TYPE | CORP | AOC | 2014 | CORP | AOC | 2013 | CORP | AOC | 2014 | CORP | AOC | 2013 |
| Retirees | 3,669 | 421 | 4,090 | 3,441 | 369 | 3,810 | 2,020 | 176 | 2,196 | 1,860 | 167 | 2,027 |
| Terminated Vested | 1,482 | 205 | 1,687 | 1,264 | 199 | 1,463 |  |  |  |  |  |  |
| Current Vested | 3,776 | 1,096 | 4,872 | 3,568 | 1,078 | 4,646 |  |  |  |  |  |  |
| Current Non-Vested | 8,631 | 1,092 | 9,723 | 8,902 | 1,032 | 9,934 |  |  |  |  |  |  |
| Total Members | 17,558 | 2,814 | 20,372 | 17,175 | 2,678 | 19,853 | 2,020 | 176 | 2,196 | 1,860 | 167 | 2,027 |

CORP provides retirement benefits as well as death and disability benefits. Generally, all benefits vest after five years of credited service.
A summary of benefit and plan provisions follows:

## SUMMARY OF BENEFITS

PURPOSE (A.R.S. § 38-900.01b)
To provide a uniform, consistent and equitable statewide program for those eligible corrections officers as defined by the Plan.

## AVERAGE MONTHLY BENEFIT

Employees who became a member of the Plan on or before December 31, 2011, an average of your highest thirty-six (36) consecutive months of salary within the last ten ( 10 ) years (i.e., 120 months) of service. A.R.S. § $\$ 8$-881(7).

Employees who become a member of the Plan on or after January 1, 2012, an average of your highest sixty (60) consecutive months of salary within the last ten (10) years (i.e., 120 months) of service.

Salary means the base salary, shift differential, military and holiday pay paid a member for personal services rendered in a designated position to a participating employer on a regular monthly, semi-monthly or biweekly payroll basis. Salary includes amounts that are subject to deferred compensation for tax shelter agreements. For the purposes of computing retirement benefits, "base salary" does not include any extra monies, including overtime pay, shift differential pay, holiday pay, fringe benefit pay (such as uniform allowance, cell phone or mileage reimbursement) and similar extra payments. A.R.S. §38-881(41).

## PERMANENT BENEFIT INCREASE (PBI)

A retired member or survivor of a retired member, who retired prior to August 1, 2011, may be entitled to a permanent benefit increase in their base benefit contingent upon the balance in the Future Benefit Increase Reserve balance. The maximum amount of the increase is $4 \%$ of the benefit being received on the preceding June 30 . A.R.S. § 38-856. The current reserve balance for FY2014 is $\$ 0.00$.

A retired member or survivor of a retired member, who retired on or after August 1, 2011, may receive a benefit increase from the System if monies are available (See A.R.S. § $38-856$ ). However, effective July 1, 2013 (A.R.S. § $38-856.02$ ) and each July 1 thereafter, a benefit increase will be issued as long as the following criteria have been met :

| Members of the plan BEFORE January 1, 2012: | Members of the plan AFTER January 1, 2012: |
| :--- | :--- |
| A.Retired member/survivor was receiving benefits on/before <br> July 31 of two (2) previous years. A. Age 55 on July 1 and is receiving benefits. |  |
| B.Retired member/survivor was age 55 on July 1 and receiving <br> Benefits on/before July 31 of previous year.B. Under age 55 on July 1 and was receiving an accidental disability and <br> was receiving benefits on/before July 31 of two (2) previous years. |  |
|  | C. Survivor under 55 on July 1 , is survivor of KIA and receiving benefits <br> on/before July 31 of two (2) previous years. |

The increase will be calculated based on (if there are insufficient earnings to cover the maximum increases, the percentage increase is limited to the earnings available):

- If the ratio of the actuarial value of assets to liabilities is $60-64 \%$ and the total return is more than $10.5 \%$ for the prior fiscal year, $2 \%$ maximum increase to all eligible retirees and survivors.
- If the ratio of the actuarial value of assets to liabilities is $65-6 \% \%$ and the total return is more than $10.5 \%$ for the prior fiscal year, $2.5 \%$ maximum increase to all eligible retirees and survivors.
- If the ratio of the actuarial value of assets to liabilities is $70-74 \%$ and the total return is more than $10.5 \%$ for the prior fiscal year, $3 \%$ maximum increase to all eligible retirees and survivors.
- If the ratio of the actuarial value of assets to liabilities is $75-79 \%$ and the total return is more than $10.5 \%$ for the prior fiscal year, $3.5 \%$ maximum increase to all eligible retirees and survivor.
- If the ratio of the actuarial value of assets to liabilities is $80 \%$ or more and the total return is more than $10.5 \%$ for the prior fiscal year, $4 \%$ maximum increase to all eligible retirees and survivors

From and after December 31, 2015, legislature may enact permanent one-time benefit increases after an analysis of the effect of the increase on the Plan by the Joint Legislative Budget Committee (JLBC). A.R.S. § 38-905.03.

The reserve balance as of June 30,2014 is $\$ 0.00$.

## CONTRIBUTIONS

Contribution rates through June 30, 2014 for all non-dispatchers shall contribute $8.41 \%$ and all full-time dispatchers shall contribute $7.96 \%$ of salary to the Plan on a pre-tax basis by payroll deduction. The contribution rate for members will change each fiscal year. A.R.S. § 38-891(H). A member may not, under any circumstance, borrow from, take a loan against or remove contributions from the member's account before the termination of membership in the plan or the receipt of a pension. A.R.S. §38-891(B).

## CREDITED SERVICE

Service in a designated position for which member contributions have been made to the Plan, or transferred to the Plan from another retirement system for public employees of this state. A.R.S. § 38-881(11).

DEATH BENEFITS - ACTIVE MEMBER
Spouse's Pension. The surviving spouse of an active member will receive a Spouse's Pension each month for lifetime. The Spouse's Pension is $40 \%$ of the member's average monthly salary. If the member was killed in the line of duty, the spouse will receive $100 \%$ of the member's average monthly benefit compensation. A.R.S. $\S 38$ -888, OR

Guardian Benefit. If there is no surviving spouse, or the pension of the surviving spouse is terminated, and there is at least one (1) eligible child, a Guardian Benefit of $40 \%$ (based on the member's average monthly salary) may be paid to the guardian of the (unmarried) child(ren) each month until each child turns 18, or under 23 years of age only during any period that the (unmarried) child is a full-time student.

An eligible Child's Pension shall become payable directly to the eligible child when the eligible child reaches the age of 18 , if the person remains eligible to receive the pension and is not subject to a guardianship or conservatorship due to disability or incapacity. If a Guardian Benefit is paid to a disabled child (the child's disability occurred prior to the age of 23) and remains a dependent of the guardian, the benefit is payable for the lifetime of the child. A.R.S. § 38-904(B), OR

Balance of Contributions. If there is no surviving spouse or eligible child(ren), the member's named beneficiary on file will receive two (2) times the member's contributions. If the surviving beneficiary does not claim the benefit, the Local Board has the authority to pay the member's nearest of kin, or estate. A.R.S. §§ 38-904(A and B) and 38-904(A).

DEATH BENEFITS - INACTIVE MEMBER
Balance of Contributions. If the member was inactive, the member's named beneficiary on file will receive two (2) times the member's contributions. If the surviving beneficiary does not claim the benefit, the Local Board has the authority to pay the member's nearest of kin, or estate. A.R.S. §§ 38-881(27) and 38-904(A).

## DEATH BENEFITS - RETIRED MEMBER

Spouse's Pension. If married for at least two (2) consecutive years at the time of the member's death, the surviving spouse will receive a Spouse's Pension each month for lifetime based on $80 \%$ of the member's pension benefit. A.R.S. § $38-888,0$ R

Guardian Benefit. If there is no surviving spouse, or the pension of the surviving spouse is terminated, and there is at least one (1) eligible child, a Guardian Benefit of $80 \%$ (based on the member's pension) may be paid to the guardian of the (unmarried) child(ren) each month until each child turns 18, or under 23 years of age only during any period that the (unmarried) child is a full-time student. An eligible Child's Pension shall become payable directly to the eligible child when the eligible child reaches the age of 18 , if the person remains eligible to receive the pension and is not subject to a guardianship or conservatorship due to disability or incapacity. If a Guardian Benefit is paid to a disabled child (the child's disability occurred prior to the age of 23) and remains a dependent of the guardian, the benefit is payable for the lifetime of the child. A.R.S. §§ 38-881(18) and 38-904(B), OR
Balance of Contributions. If there is no surviving spouse or eligible child(ren), the member's named beneficiary on file will receive the balance of the member's accumulated contributions less the pension payments made to the member. If the surviving beneficiary does not claim the benefit, the Local Board has the authority to pay the member's nearest of kin, or estate. A.R.S. §§ 38-889 and 38-904(A).

## ACCIDENTAL DISABILITY

A physical or mental condition which totally and permanently prevents an employee from performing a reasonable range of duties within the employee's department, that was incurred in the performance of the employee's duties and was the result of either physical contact with inmates, or responding to a confrontational situation with inmates, or a job-related motor vehicle accident, and was not the result of a physical or mental condition that existed or occurred before the employee's date of membership in the Plan. A.R.S. §38-881(1).

Eligibility for an accidental disability will be determined by the Local Board upon an independent medical examination. For members with a membership date on or before December 31, 2011, the monthly benefit is $50 \%$ of the member's average monthly compensation. (There is no credited service requirement.) For members with a membership date on or after January 1,2012 with less than 25 years of credited service, the monthly benefit is $50 \%$ of the member's average monthly compensation. For members with 25 or more years of credited service, the monthly benefit is $62.5 \%$ of the member's average monthly compensation. The Local Board may require periodic medical re-evaluations until the member reaches age 62 . Accidental disability terminates if the Local Board finds the retired member no longer meets the requirements for the disability benefit. A.R.S. § 38-886.

TOTAL AND PERMANENT (CATASTROPHIC) DISABILITY
A physical or mental condition which totally and permanently prevents a member from engaging in any gainful employment, that is in the direct and proximate result of the member's performance of the employee's duties and is not the result of a physical or mental condition or injury that existed or occurred before the member's date of membership in the Plan. A.R.S. §38-881(44).

Eligibility for a total and permanent disability will be determined by the Local Board upon an independent medical examination. For members with a membership date on or before December 31, 2011, the monthly benefit is $50 \%$ of the member's average monthly compensation. (There is no credited service requirement.) For members with a membership date on or after January 1,2012 with less than 25 years of credited service, the monthly benefit is $50 \%$ of the member's average monthly compensation. For members with 25 or more years of credited service, the monthly benefit is $62.5 \%$ of the member's average monthly compensation. The Local Board may require periodic medical re-evaluations until the member reaches age 62 . The total and permanent disability terminates if the Local Board finds the retired member no longer meets the requirements for the disability benefit. A.R.S. §38-886.

## ORDINARY DISABILITY

A physical condition which totally and permanently prevents an employee from performing a reasonable range of duties within the employee's department, or a mental condition that totally and permanently prevents the employee from engaging in any substantial gainful activity, and was not the result of a condition that existed or occurred before the employee's date of membership in the Plan. Dispatchers disabled on/after September 21, 2006 and non dispatchers disabled on/after September 26, 2008 may qualify for an ordinary disability. A.R.S. $\S \S 38-881$ (30) and 38-886.01.

Eligibility for an ordinary disability will be determined by the Local Board upon an independent medical examination. The monthly benefit is a percentage of normal retirement based on the employee's years of credited service divided by twenty (20) for membership on or before December 31, 2011 (except a full-time dispatcher, the service requirement is 25 years), or twenty-five (25) for membership on or after January 1, 2012. The Local Board may require periodic medical re-evaluations until the member reaches age 62 . Ordinary disability terminates if the Local Board finds the retired member no longer meets the requirements for the disability benefit. A.R.S. § 38-886.01.

## DIVORCE / DOMESTIC RELATIONS ORDER

If the member has been involved in a divorce(s), please provide the CORP with a complete copy of the Divorce Decree(s) and any attachments or exhibits if referenced in the Decree(s). Upon receipt, additional correspondence will be provided to the parties. If the retirement account is required to be split, a Domestic Relations Order (DRO) will need to be prepared. To ensure that the language in the DRO is acceptable, it is recommended to provide the CORP with a draft copy of the DRO for review and approval prior to submitting it to the court. A.R.S. § 38-910.

## REVERSE DEFERRED RETIREMENT OPTION PLAN (REVERSE DROP)

Beginning July 1, 2006 and through June 30, 2016, the CORP shall offer the Reverse Deferred Retirement Option Plan (Reverse DROP) to members that are eligible for a normal pension (based on service and age) applicable to a membership date that is either prior to, or after January 1,2012 (who is not awarded an accidental, ordinary or total and permanent disability pension). Under the Reverse DROP, the member must voluntarily and irrevocably elect to terminate employment and receive a normal retirement upon participation in the Reverse DROP. The Reverse DROP date is the first day of the month immediately following completion of required credited service, or a date not more than sixty (60) consecutive months before the date the member elects to participate in the Reverse DROP, whichever is later.

The member's pension will be calculated using the factors of credited service and average monthly benefit compensation in effect on the Reverse DROP Date. The lump sum distribution is credited as though it accrued monthly from the Reverse DROP date to the date the member elected to participate in the Reverse DROP (plus interest equal to the yield on a five (5) year Treasury note as of the first day of the month as published by the Federal Reserve Board).

Neither the member nor the employer is entitled to a refund of contributions made between the Reverse DROP date and the date the member elects to participate in the Reverse DROP. A.R.S. § 38-885.01.
*If participating in Reverse DROP, the member's service cannot be less than service required for normal retirement (based on service and age) applicable to a membership date that is either prior to, or after January 1, 2012. In other words, service must be greater than $24 / 25$, respectively, in order to receive a Reverse DROP benefit.
Pursuant to statute, the Reverse DROP option will no longer be available after June 30, 2016

ELIGIBILITY
Designated positions for the following employers that elect to join the Plan are eligible to participate in the CORP if the employee's customary employment is for at least forty (40) hours per week, or as defined by statute. A.R.S. § 38-881(13):

- For a County: A county detention officer and non-uniformed employee's of a sheriff's department whose primary duties require direct inmate contact.
- For the State Department of Corrections and the Department of Juvenile Correction: Specific positions are eligible to participate. Refer to the statute for specific positions.
- For a City or Town, a City or Town Detention Officer.
- For an employer of an eligible group as defined in A.R.S. § $\S 8-842$, full-time dispatchers.
- For the judiciary, probation, surveillance, and juvenile detention officers and those positions designated by the Local Board.
- For the Department of Public Safety, state detention officers.

Dispatchers hired after November 24, 2009 must participate in the Arizona State Retirement System. A.R.S. § 38-902(C) .
HEALTH INSURANCE
Pursuant to A.R.S. §§ 38-906, 38-651.01 and 38-782, retirees and survivors under the Plan that elect group health insurance and/or accident insurance coverage through the Arizona State Retirement System group plan (ASRS), the Arizona Department of Administration (ADOA) group plan, or a group plan through an employer of the CORP, the Plan will pay up to the following Premium Benefit amount:

| SINGLE |  | FAMILY |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Not Medicare Eligible | Medicare Eligible | All Not Medicare Eligible | All Medicare Eligible | One With Medicare |
| $\$ 150.00$ | $\$ 100.00$ | $\$ 260.00$ | $\$ 170.00$ | $\$ 215.00$ |

As of July 2013, pursuant to $\S 38-906$ the board established a separate account for the health insurance and these funds cannot be used for any other benefits.

## JOINDERS

Specific positions and employers may participate in the CORP if the governing body of the employer enters into a joinder agreement to bring such employees into the CORP. The joinder agreement shall be in accordance with the provisions of this Plan. The transfer of the Arizona defined benefit state retirement System or Plan shall be transferred within ninety days after the employer's effective date. A.R.S. § 38-902.

## REFUNDS

Employees who became a member on or before December 31, 2011, pursuant to A.R.S. § 38-884, upon termination of employment (for any reason other than death or retirement) within twenty (20) days after filing an application with the CORP, the member will receive a lump-sum payment (less mandated tax withholding) of accumulated contributions (less any benefits paid or any amounts owed to the Plan) - thus, forfeiting all membership rights and credited service in the Plan upon receipt of refund of contributions. If the member has five (5) or more years of credited service, an additional percentage of contributions will be refunded to the member according to the member's years of service as stated below:

5 to 5.9 years of service $=25 \%$ of additional member contributions.
6 to 6.9 years of service $=40 \%$ of additional member contributions.
7 to 7.9 years of service $=55 \%$ of additional member contributions.
8 to 8.9 years of service $=70 \%$ of additional member contributions.
9 to 9.9 years of service $=85 \%$ of additional member contributions.
10 or more years of service $=100 \%$ of member contributions plus $3 \%$ interest if left on deposit after 30 days.
Employees who became a member on or after January 1, 2012, pursuant to A.R.S. § $38-884(\mathrm{E}$ ), upon termination of employment (for any reason other than death or retirement) within twenty ( 20 ) days after filing an application with CORP, shall receive a lump-sum payment of ONLY their accumulated contributions plus interest at a rate determined by the board (currently 3\%) as of the date of termination (less any benefits paid or any amounts owed to the Plan) - thus, forfeiting all membership rights and credited service in the Plan upon receipt of refund of contributions. The member will NOT receive the additional percentage of contributions as stated above.

Note: Arizona Revised Statutes do not allow a CORP member to borrow against your retirement account. A refund of your contributions can only be paid to you upon termination of your employment with the CORP employer.

## REQUEST TO REMAIN IN CORP

The local board of the state department of corrections, or the department of juvenile corrections may specify a position within the department as a designated position if the position is filled by an employee who has at least five (5) years of credited service under the Plan, is transferred to temporarily fill the position, provides a written request to the local board (within 90 days of being transferred) to specify the position as a designated position. When the employee leaves the position, the position is no longer a designated position. A.R.S. § 38-891(E). (Form (20)

The local board of the state department of corrections, or the department of juvenile corrections may specify a designated position within the department as a nondesignated position if the position is filled by an employee who has at least five years of credited service under the Arizona State Retirement System and who provides a written request to the local board (within 90 days of being transferred) to specify the position as a non-designated position. When the employee leaves the position, the position reverts to a designated position. A.R.S. § 38-891(F).

The local board of the judiciary may specify positions within the Administrative Office of the Courts ( AOC ) that require direct contact with and primarily provide training or technical expertise to county probation, surveillance or juvenile detention officers as a designated position if the position is filled by an employee who is a member of the Plan currently employed in a designated position as a probation, surveillance or juvenile detention officer that has at least five years of credited service under the Plan. An employee who fills such a position shall make a written request to the local board to specify the position as a designated position within ninety days of accepting the position. When the employee leaves the position, the position reverts to a non-designated position. A.R.S. § 38-891(G).

## RETIREMENT ELIGIBILITY AND CALCULATION

Employees who became a member on or before December 31, 2011:
Normal Retirement. Pursuant to A.R.S. $\S \S 38-881(7,11,27,28,41$ and 43$)$ and $38-885$, retirement benefits will commence the first day of month following termination of employment and based upon the following:

- 20 years of credited service but less than 25 years of credited service, or 80 points (age plus credited service) if membership date is on/after $8 / 9 / 01$ : $50 \%$ of the member's average monthly salary plus $2 \%$ of member's average monthly salary multiplied by each year of credited service over 20 (include fractional years).
- 25 years of credited service for dispatchers, or 80 points (age plus credited service) if membership date is on/after $8 / 9 / 01: 50 \%$ of the member's average monthly salary plus $2.5 \%$ of member's average monthly salary multiplied by each year of credited service over 20 (include fractional years). (12-years maximum so that the benefit does not exceed the $80 \%$ of the average monthly salary)
- 20 years of service but less than 20 years of credited service, or 80 points if membership date is on/after $8 / 9 / 01$ : Member's average monthly salary multiplied by each year of credited service (include fractional years) multiplied by $2.5 \%$.
- 80 points (age plus credited service) if membership date is PRIOR to $8 / 9 / 01$ : Member's average monthly salary multiplied by each year of credited service (include fractional years) multiplied by $2.5 \%$ (maximum $75 \%$ of average monthly salary).
- Age 62 with 10 years of service but less than 20 years of credited service: Member's average monthly salary multiplied by each year of credited service (include fractional years) multiplied by $2.5 \%$.

Note: The maximum pension is capped at $80 \%$ of the average monthly salary (which a person would receive at 32 years of credited service).

Deferred Annuity. Inactive members (not making contributions to the Plan) that have at least ten (10) years of credited service may elect to receive a Deferred Annuity at the age of sixty-two (62). This annuity is a lifetime monthly payment that is actuarially equivalent to the member's accumulated contributions in the Plan plus an equal amount paid by the employer. This annuity is not a retirement benefit and annuitants are not entitled to survivor benefits, benefit increases, or the group health insurance subsidy. A.R.S. § 38-911(A).

Employees who became a member on or after January 1, 2012:
Normal Retirement. Pursuant to A.R.S. $\S \S 38-881(7,11,27,28,41$ and 43 ) and $38-885$, retirement benefits will commence the first day of month following termination of employment and based upon the following:

- Age 62 with 10 years of service: $62.5 \%$ of the member's average monthly salary plus $2.5 \%$ of the average monthly salary multiplied by each year of credited service over 25 (include fractional years).
- Age 52.5 with 25 or more years of credited service: $62.5 \%$ of the member's average monthly salary plus $2.5 \%$ of the average monthly salary multiplied by each year of credited service over 25 (include fractional years).
- Age 52.5 with 25 years of service but less than 25 years of credited service: Average monthly salary multiplied by the member's total credited service multiplied by 2.5\%.

Employees who became a member on or after January 1, 2012 are not eligible for a "Deferred Annuity." However, a member who attains the service requirement for a normal retirement, but does not meet the age requirement, may elect to leave contributions on account until reaching the age requirement and then elect to receive a retirement benefit (survivor benefits, benefit increases, or the group health insurance subsidy). A.R.S. § 38-911(B).

## RETURN TO WORK AFTER RETIREMENT

A retired member may become re-employed and continue to receive a pension if the employment occurs twelve (12) months or more after retirement. The retired member shall not contribute to the fund and shall not accrue credited service. A.R.S. § 38-884(K).

If a retired member becomes employed by an employer in a designated position before twelve (12) months after retirement, the retired member's pension shall be suspended during reemployment in a designated position and the retired member shall not make contributions to the Plan nor accrue credited service during such reemployment. A.R.S. § $38-884(\mathrm{~K})$.

If you are receiving an accidental or total and permanent disability retirement (and have not reached normal retirement) and have become employed by an employer under the Plan, your disability retirement will cease. However, your local board will need to review and determination your return to work eligibility. If benefits are suspended and upon eligibility for (re)retirement, the service from the disabilty retirement will be considered "service" and not "credited" service and your average monthly compensation will be based on the compensation from the new employment. A.R.S. §38-886 (D and G).

If a retired member returns to work in any capacity in a designated position ordinarily filled by an employee, the employer is required to pay an alternate contribution rate to the CORP. A.R.S. §38-891.01.

Effective July 20, 2011, the premium benefit (subsidy) will not apply if the retired member or survivor is reemployed and participates in health care coverage provided by the member's or survivors new employer. A.R.S. § 38-906(D).

## SALARY

Salary is defined as the base salary/wages, shift differential pay, military differential and holiday pay paid to an employee for personal services rendered in a designated position to a participating employer on a regular monthly, semimonthly or biweekly payroll basis. For the purposes of the paragraph above, "base salary/wages" means the amount of compensation each member is regularly paid for personal services rendered before the addition of any extra monies, including overtime pay, shift differential, holiday pay, sale of compensatory time, fringe benefit pay and similar extra payments. A.R.S. § 38-881(41).

## SERVICE PURCHASE

Purchase of Prior Active Military Service. (Form 18). Members with at least ten (10) years of credited service with the Plan may purchase up to sixty (60) months of credited service for periods of active military service performed before employment with their current employer (even if the member receives a military pension). A.R.S. § 38 $-907(A)$. Active members may also receive credited service limited to sixty (60) months if ordered/volunteered to active military service while working for the current employer if the criteria is met pursuant to A.R.S. $\S 38-907$. The member shall pay the members contributions, upon which the employer shall make employer contributions. If member performs military service due to presidential call-up, the employer shall make the employer and employee contributions not to exceed forty-eight (48) months pursuant to A.R.S.38-907 (G). For more information, contact your employer.

Purchase of Prior Service from an Out-of-State Agency. (Form COSS). Active members with at least five (5) years of credited service with the Plan that have previous service with an agency of the U.S. Government, a state of the U.S., or a political subdivision of a state of the U.S. as a full-time paid corrections officer, or full-time paid certified peace officer may elect to redeem up to sixty (60) months of any part of the prior service if the prior service is not on account with any other retirement system. A.R.S. § 38-909.

Purchase of Prior Forfeited Service within the SAME Retirement Plan. If a former member becomes RE-EMPLOYED with the SAME EMPLOYER and, within two (2) years after the former member's termination date and applies with the Plan (within ninety days of reemployment), may elect to purchase all of the previously forfeited credited service. The amount required to reinstate the credited service is the amount previously withdrawn plus interest at the rate of $9 \%$ compounded annually from the date of withdrawal to the date of repayment and the reimbursement is required to be paid within one (1) year from the date of reemployment. A.R.S. \& 38-884(I). (Form (1B), OR
If the statutory requirements above are not met, the member may still purchase some or all of the previously forfeited credited service calculated based on an amount computed by the Plan's actuary to equal the actuarial present value of the account. A.R.S. §38-884(J). (Form (2).

Purchase of Service Between the Arizona Retirement Plans/Systems. (Form U2). Members of any of the four Arizona state retirement System/Plans that have credited service under another Arizona state retirement System/Plan may redeem the credited service to their current Arizona state retirement System/Plan by paying the full actuarial present value of the credited service into the current Arizona retirement System/Plan with the approval of the CORP or governing board. A.R.S. § 38-922.

## TAXATION OF RETIREMENT BENEFITS

All CORP retirement benefits in excess of $\$ 2,500$ annually will be subject to Arizona state tax. A.R.S. §§ 38-896, and 43-1022.

TRANSFERS
Transfer of Contributions Between CORP Employers. (Form (1A). A member who terminates employment with an employer and accepts a position with the same or another employer participating in the Plan shall have their credited service transferred to their record with the new employer if they leave their accumulated contributions on deposit with the Plan. The period not employed shall not be considered as credited service. A.R.S. § 38-908.

Transfer of Service Between the Arizona Retirement Plans/Systems. (Form U2). Members of any of the four Arizona state retirement System/Plans that have credited service under another Arizona state retirement System/Plan may transfer the credited service to their current Arizona state retirement System/Plan by transferring the full actuarial present value of the credited service into the current Arizona retirement System/Plan with the approval of the CORP or governing board. A reduced credited service amount may be transferred based on the transfer of the actuarial present value of the credited service under the prior Arizona state System/Plan. A.R.S. §§ 38-921 and 38-922.

Transfer of Service Between Municipal Retirement Systems \& Special Retirement Plans. (Form U2A). An active or inactive member of a retirement System or Plan of a municipality of this state (i.e., City of Phoenix and City of Tucson) or of the CORP may transfer the service to their current retirement System or Plan based on the member's accumulated contributions plus interest, or the member may elect a reduced service amount to be transferred based on the actuarial present value. A.R.S. §§ 38923 and 38-924.

CONTINGENT LIABILITIES
The System is a party in various litigation matters. While the final outcome cannot be determined at this time, management is of the opinion that the final outcome will be favorable or the final obligation, if any, for these legal actions will not have a material adverse effect on the System's financial position or results of operations.

This is not an official version of the Arizona Revised Statutes. If there are any differences or discrepancies, the official version will prevail.

## NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES AND PLAN ASSET MATTERS

## BASIS OF ACCOUNTING

CORP financial statements are prepared using the accrual basis of accounting. Member and employer contributions are recognized when due, pursuant to formal commitments, as well as statutory or contractual requirements. Benefits are recognized when due and payable in accordance with the terms of the Plan. Refunds are due and payable by state law within 20 days of receipt of a written application for a refund. Refunds are recorded when paid.
Furniture, fixtures and equipment purchases costing $\$ 10,000$ or more, when acquired, are capitalized at cost. Improvements, which increase the useful life of the property, are also capitalized. Investment income net of administrative and investment expenses are allocated to each employer group based on the average relative fund size for each employer group for that year.

By state statute, the Plan is required to provide information in the financial statements used to calculate Net Effective Yield. Net Effective Yield includes only realized gains and losses. The Net Realized Gains (Losses) used in this calculation totaled $\$ 105,803,854$ for FYE 2014 and $\$ 68,918,508$ for FYE 2013. This calculation is independent of the calculation of the change in the fair value of investments and may include unrealized amounts from prior periods.

## NEW ACCOUNTING PRONOUNCEMENT

GASB Statement No. 65, Items Previously Reported as Assets and Liabilities, was issued and is effective for periods beginning after December 15, 2012. There is no effect on the CORP financial statements. GASB Statement 66, Technical Corrections - 2012 an amendment of GASB Statements No. 10 and No. 62, was issued and is effective for periods beginning after December 15, 2012. There is no effect on the CORP financial statements. The GASB has issued statement No. 67, "Financial Reporting for Pension Plans; an amendment of GASB Statement №. 25 "This Statement replaces the requirements of Statements No .25 and No .50 related to pension plans that are administered through trusts or equivalent arrangements. The requirements of Statements №. 25 and No. 50 remain applicable to pension plans that are not administered through trust or equivalent arrangements. The requirements for this Statement are effective for financial statements for fiscal years beginning after June 15, 2013. The requirements of this statement have been implemented in the CORP financial statements. GASB 70, Accounting and Financial Reporting for Nonexchange Financial Guarantees, was issued and is effective for periods beginning after June 15, 2013. There is no effect on the CORP financial statements.

## ESTIMATES

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of net assets held in trust for pension benefits at June 30, 2014. Actual results could differ from those estimates.

## NOTE 3: CASH AND INVESTMENTS

CASH
Custodial credit risk for deposits is the risk that in the event of a bank failure, the Plan's deposits may not be returned. The deposits are held in two financial institutions with a balance of up to $\$ 250,000$ (permanently guaranteed as of July 21,2010 ) insured by the Federal Deposit Insurance Corporation (FDIC). The Plan mitigates custodial credit risk for deposits by requiring the financial institution to pledge securities from an acceptable list in an amount at least equal to 102\% of the aggregate amount of the deposits on a daily basis.
In addition to the FDIC insurance coverage on the operating and money market accounts of CORP, Wells Fargo pledged the following securities to Public Safety Personnel Retirement System, CORP, and the Elected Officials' Retirement Plan on June 30, 2014, as collateral:

| Description | CPN | Maturity | Market Value |
| :--- | :---: | :---: | ---: |
| FNMA Pool MA1688 | 3.50 | $12-1-2033$ | $1,132,902$ |
| FNMA Pool AB7748 | 3.00 | $1-1-2043$ | $12,858,589$ |
| FNMA Pool AR2458 | 3.00 | $12-1-2042$ | $37,676,656$ |
| TOTAL |  |  | $\mathbf{5 1 , 6 6 8 , 1 4 7}$ |

All monies shall be secured by the depository in which they are deposited and held to the same extent and in the same manner as required by the general depository law of the state. Cash balances represent both operating and cash accounts held by the bank and investment cash on deposit with the investment custodian. All deposits are carried at cost plus accrued interest. The following table is a schedule of the aggregate book and bank balances of all cash accounts as of June 30, 2014:

|  | REPORTED AMOUNT | BANK BALANCE |
| :--- | ---: | ---: |
| Pension Trust Fund | $58,987,191$ | $58,987,191$ |
| Operating Fund | 628,362 | $3,241,288$ |
| Total Deposits | $\mathbf{5 9 , 6 1 5 , 5 5 3}$ | $\mathbf{6 2 , 2 2 8 , 4 7 9}$ |

## MONEY-WEIGHTED RATE OF RETURN

The money-weighted rate of return on investments for FY 2014 was $13.025 \%, \$ 183,193,172$ and $11.231 \%, \$ 143,239,225$ for FY 2013 . The calculation is less investment expenses of $\$ 32,131,269$. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

## INVESTMENTS

CORP investments are reported at Fair Value. Fair Values are determined as follows: Short-term investments are reported at cost plus accrued interest. Equity securities are valued at the last reported sales price. Fixed-income securities are valued using the last reported sales price or the estimated fair value as determined by fixedincome broker/dealers plus accrued interest. Investments in hedge funds are valued monthly at the last reported valuations. Limited partnership investments in credit opportunities, private equity, real assets and real estate are valued on a quarterly or monthly basis at last reported valuations adjusted by any subsequent cash flows.
Statutes enacted by the Arizona Legislature authorize the Board of Trustees to make investments in accordance with the "Prudent Man" rule. The Board of Trustees is not limited to so-called "Legal Investments for Trustees." In making every investment, the board shall exercise the judgment and care under the circumstances then prevailing which men of ordinary prudence, discretion and intelligence exercise in the management of their own affairs, not in regard to speculation but in regard to the permanent disposition of their funds, considering the probable income from their funds as well as the probable safety of their capital, provided:

1) That not more than eighty percent of the combined assets of the system or other plans that the board manages shall be invested at any given time in corporate stocks, based on cost value of such stocks irrespective of capital appreciation.
2) That not more than five percent of the combined assets of the system or other plans that the board manages shall be invested in corporate stock issued by any one corporation, other than corporate stock issued by corporations chartered by the United States government or corporate stock issued by a bank or insurance company.
3) That not more than five percent of the voting stock of any one corporation shall be owned by the system and other plans that the board administers, except that this limitation does not apply to membership interests in limited liability companies.
4) That corporate stocks and exchange traded funds eligible for purchase shall be restricted to stocks and exchange traded funds that, except for bank stocks, insurance stocks and membership interests in limited liability companies, are either:
a) Listed or approved on issuance for listing on an exchange registered under the Securities Exchange Act of 1934, as amended (15 United States Code §78a through §78II).
b) Designated or approved on notice of issuance for designation on the national market system of a national securities association registered under the Securities Exchange Act of 1934, as amended (15 United States Code §78a through §78II).
c) Listed or approved on issuance for listing on an exchange registered under the laws of this [Arizona] state or any other state.
d) Listed or approved on issuance for listing on an exchange registered of a foreign country with which the United States is maintaining diplomatic relations at the time of purchase, except that no more than twenty percent of the combined assets of the system and other plans that the board manages shall be invested in foreign securities, based on the cost value of the stocks irrespective of capital appreciation.
e) An exchange traded fund that is recommended by the chief investment officer of the system, that is registered under the investment company act of 1940 (15 United States Code Section 80a-1 through 80a-64) and that is both traded on a public exchange and based on a publicly recognized index.
A.R.S. $\S 38-848$. B as amended in 2008 authorized the Board of Trustees to commingle the assets of all the plans entrusted to its management, subject to the crediting of receipts and earnings and charging of payments to the appropriate employer, system or plan. As a result, the various assets of the Public Safety Retirement System, Elected Officials' Retirement Plan, and the Corrections Officer Retirement Plan were unitized beginning September 1, 2008 into the PSPRS Trust. Investments for each fund are allocated daily via a constant dollar unitization methodology. Realized and unrealized gains are allocated monthly using the same methodology.
At June 30, 2014, the fair value of the PSPRS Trust and the allocation for each system and plan was as follows:

| PLAN | UNITIZED | PERCENT |
| :--- | :---: | ---: |
| PSPRS | $6,193,474,862$ | $76.20 \%$ |
| CORP | $1,599,282,660$ | $19.68 \%$ |
| EORP | $334,748,966$ | $4.12 \%$ |
| TOTAL | $\mathbf{8 , 1 2 7 , 5 0 6 , 4 8 8}$ | $\mathbf{1 0 0 . 0 0 \%}$ |

## CUSTODIAL CREDIT RISK

Custodial Credit Risk is the risk that CORP will not be able (a) to recover deposits if the depository financial institution fails or (b) to recover the value of the investment or collateral securities that are in the possession of an outside party if the counterpart to the investment or deposit transaction fails. As of June 30, 2014, CORP has no fund or deposits that were not covered by depository insurance or collateralized with securities held by our banks' trust department or agent; nor does CORP have any investments that are not registered in the name of CORP or the PSPRS Trust and are either held by the counterpart or the counterpart's trust department or agent.

## CREDIT RISK

Credit Risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligation to the Plan. As of June 30, 2014, the Plan's fixed income assets that were not government guaranteed represented $96.2 \%$ of the fixed income portfolio.

Each portfolio is managed in accordance with investment guidelines that are specific as to permissible credit quality ranges, exposure levels within individual quality tiers, and the average credit quality of the overall portfolios. According to those guidelines, the fixed income portfolio must have a minimum weighted average quality rating of $\mathrm{A} 3 / \mathrm{A}$-. Fixed income securities must have a minimum quality rating of $\mathrm{Ba} 33 / \mathrm{BBB}$ - at the time purchase. The portion of the bond portfolio in securities rated Baa3/BBB - through Baa1/BBB+ must be $20 \%$ or less of the fair value of the fixed income portfolio.

Included in the fixed income portfolio are cash equivalents or commercial paper. Commercial Paper must have a minimum quality rating of $\mathrm{A}-1 / \mathrm{P}-1$ at the time of purchase. Investments in derivatives are limited to collateralized mortgage obligations (CMO), collateralized bond obligations (CBO), collateralized debt obligations (CDO), and asset-backed securities (ABS).

In preparing this report, collateral for securities lending has been excluded because it is invested in a securities lending collateral investment pool.
The following tables summarize the Plan's fixed income portfolio exposure levels and credit qualities.

## AVERAGE CREDIT QUALITY AND EXPOSURE LEVELS OF NON-GOVERNMENT GUARANTEED SECURITIES

| FIXED SECURITY TYPE | FAIR VALUE <br> JUNE 30, 2014 | \% OF ALL FIXED <br> INCOME ASSETS | WEIGHTED <br> AVG. CREDIT |
| :--- | ---: | :---: | :---: |
| Corporate Bonds | $140,810,068$ | $97.0 \%$ | A |
| Mortgages | - | $0.0 \%$ |  |
| CB0 | $4,347,325$ | $3.0 \%$ |  |
| Total | $\mathbf{1 4 5 , 1 5 7 , 3 9 3}$ | $\mathbf{1 0 0 . 0 \%}$ |  |

## RATINGS DISPERSION DETAIL

| CREDIT RATING LEVEL | CORPORATE BONDS | MORTGAGES | CBO |
| :--- | ---: | ---: | ---: |
| AAA | - | - | - |
| AA | $3,556,373$ | - | - |
| A | $4,067,466$ | - | - |
| BBB | $4,178,746$ | - | - |
| Below BBB | $2,048,141$ | - | - |
| Not Rated | $126,959,342$ | - | $4,347,325$ |
| Total | $\mathbf{1 4 0 , 8 1 0 , 0 6 8}$ | - | $\mathbf{4 , 3 4 7 , 3 2 5}$ |

## CONCENTRATION OF CREDIT RISK

Concentration of credit risk is the risk of loss that may be attributed to the magnitude of a government's investment in a single issue. Other than bonds used as direct obligations of and fully guaranteed by the U.S. Government, not more than $5 \%$ of the Fund or its fixed income portfolio at fair value shall be invested in bonds issued by any one institution, agency or corporation.

## INTEREST RATE RISK

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. This risk is managed within the portfolio using segmented time distributions. It is widely used in the management of fixed income portfolios in that it quantifies the risk of interest rate changes. The Plan does invest in fixed income securities with floating rates that contain coupon adjustment mechanisms in a rising interest rate environment.

The following tables quantify, to the fullest extent possible, the interest rate risk of the Plan's fixed income assets.

SEGMENTED TIME DISTRIBUTION BY SECURITY TYPE
(INCLUDING GOVERNMENT GUARANTEED SECURITIES)

| FIXED INCOME SECURITY | $<\mathbf{1}$ | $\mathbf{1 - 5}$ | $\mathbf{6 - 1 0}$ | $\mathbf{1 1 - 1 5}$ | $\mathbf{1 6 - 2 0}$ | $\boldsymbol{\mathbf { 2 0 }}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Corporate | - | $9,326,284$ | $3,490,498$ | $2,553,769$ | 759,077 | $124,680,440$ |
| Agencies | - | - | - | - | $2,072,189$ | $3,654,727$ |
| Mortgages | - | - | - | - | - | - |
| CB0 | - | $2,430,101$ | - | - | - | $1,917,223$ |
| Total | - | $\mathbf{1 1 , 7 5 6 , 3 8 5}$ | $\mathbf{3 , 4 9 0 , 4 9 8}$ | $\mathbf{2 , 5 5 3 , 7 6 9}$ | $\mathbf{2 , 8 3 1 , 2 6 6}$ | $\mathbf{1 3 0 , 2 5 2 , 3 9 0}$ |

## CALLABLE BONDS BY SECURITY TYPE

(INCLUDING GOVERNMENT GUARANTEED SECURITIES)

| FIXED INCOME <br> SECURITY TYPE | FAIR VALUE <br> JUNE 30, 2014 | \% OF ALL FIXED <br> INCOME ASSETS |
| :--- | ---: | ---: |
| Corporate | - | $0.00 \%$ |
| Agencies | - | $0.00 \%$ |
| Totals | - | $\mathbf{0 . 0 0 \%}$ |

## FOREIGN CURRENCY RISK

Foreign currency risk is the risk that changes in the foreign exchange rate will adversely impact the fair value of an investment. The CORP is allowed to invest part of its assets in foreign investments.

The following table shows the System's exposure to foreign currency risk (U. S. dollars):

| FOREIGN CURRENCY RISK |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: |
| CURRENCY | SHORT TERM | FIXED INCOME | EQUITY | OTHER | TOTAL |
| AUSTRALIAN DOLLAR | 12,032 | - | $9,444,319$ | - | $9,456,351$ |
| BRAZIL REAL | 1,575 | - | $4,545,969$ | - | $4,547,544$ |
| CANADIAN DOLLAR | 14,462 | - | $12,512,680$ | - | $12,527,141$ |
| CHILEAN/COLOMBIAN PESO | 0 | - | 820,862 | - | 820,862 |
| DANISH KRONE | 1,175 | - | $2,061,262$ | - | $2,062,437$ |
| EURO CURRENCY UNIT | 219,734 | - | $44,807,831$ | $27,268,930$ | $72,296,495$ |
| HONG KONG DOLLAR | 28,843 | - | $10,867,306$ | - | $10,896,149$ |
| INDONESIAN RUPIAH | 185 | - | $1,299,226$ | - | $1,299,411$ |
| ISRAELISHEKEL | 11,746 | - | 631,790 | - | 643,536 |
| JAPANESE YEN | 264,017 | - | $27,123,049$ | - | $27,387,065$ |
| MALAYSIAN RINGGIT | 1,035 | - | $1,261,035$ | - | $1,262,070$ |
| MEXICAN NEW PESO | 2,034 | - | $1,958,560$ | - | $1,960,594$ |
| NEW TAIWAN DOLLAR | 14,841 | - | $4,214,907$ | - | $4,229,748$ |
| NEW TURKISH LIRA | 11,348 | - | 545,599 | - | 556,946 |
| NEW ZEALAND DOLLAR | 5,667 | - | 251,258 | - | 256,926 |
| NORWEGIAN KRONE | 15,164 | - | $1,478,625$ | - | $1,493,788$ |
| PHILIPPINES PESO | 65 | - | 318,856 | - | 318,921 |
| POLISHZLOTY | 2,602 | - | 544,114 | - | 546,716 |
| POUND STERLING | 83,155 | - | $31,189,854$ | $8,014,796$ | $39,287,805$ |
| S AFRICAN COMM RAND | 8,722 | - | $2,452,074$ | - | $2,460,796$ |
| SINGAPORE DOLLAR | 2,808 | - | $1,573,399$ | - | $1,576,207$ |
| SOUTH KOREAN WON | 7,266 | - | $5,333,780$ | - | $5,341,046$ |
| SWEDISH KRONA | 647 | - | $3,710,193$ | - | $3,710,840$ |
| SWISS FRANC | 641 | - | $12,510,177$ | - | $12,510,818$ |
| THAILAND BAHT | 0 | - | 488,394 | - | 488,394 |
| TOTAL MARKET VALUE | $\mathbf{7 0 9 , 7 6 5}$ |  | $\mathbf{1 8 1 , 9 4 5 , 1 1 8}$ | $\mathbf{3 5 , 2 8 3 , 7 2 6}$ | $\mathbf{2 1 7 , 9 3 8 , 6 0 9}$ |

## DERIVATIVES

Derivative instruments are financial contracts whose values depend on the values of one or more underlying assets, reference rates, or financial indexes. They include futures contracts, options contracts, and forward foreign currency exchange. The Board of Trustees has adopted a derivative policy that specifically authorizes external investment managers to enter into certain derivative contracts based on an analysis that the use of such derivatives will have a positive impact on the Trust's ability to manage its underlying assets and liabilities. The PSPRS Trust investment program, indirectly through its external managers, holds investments in futures contracts. The external money managers enter into these certain derivative instruments primarily to enhance the performance and reduce the volatility of the PSPRS portfolio, to gain or hedge exposure to certain markets, and to manage interest rate risk. The external managers are required to follow certain controls, documentation and risk management procedures when employing these financial instruments.

The fair value exposure associated with these derivative instruments was recorded on the financial statements as a portion of the unrealized gains and losses related to U.S. Equity and Fixed Income. The total of unrealized gains for CORP was $\$ 540,270$ at June 30,2014 consisting of U.S. Equity (gain of $\$ 546,281$ ) and Risk Parity (loss of $\$ 6,011)$. Interest risk associated with these investments are included in the tables on page 33.

## SECURITY LENDING PROGRAM

The Plan is party to a securities lending agreement with a bank. The bank, on behalf of the Plan, enters into agreements with brokers to loan securities and have the same securities returned at a later date. The loans are fully collateralized primarily by cash. Collateral is marked-to-market on a daily basis. Non-cash collateral can be sold only upon borrower default. The Plan requires collateral of at least $102 \%$ of the fair value of the loaned U.S. Government or corporate security. Securities on loan are carried at fair value.

As of June 30, 2014 the fair value of securities on loan was $\$ 112,013,908$ and the collateral was $\$ 115,258,713$ for Corrections Officer Retirement Plan. The Plan receives a negotiated fee for its Ioan activities and is indemnified for broker default by the securities lending agent.

The Plan participates in a collateral investment pool. All security loans may be terminated on demand by either the lender or the borrower. All matched loans shall have matched collateral investments. The total cash collateral investments received for unmatched loans (any loan for which the cash collateral has not been invested for a specific maturity) will have a maximum effective duration of 233 days. And, at least $20 \%$ of total collateral investments shall be invested on an overnight basis. At June 30,2014 , the weighted average maturity was 73 days for all investments purchased with cash collateral from unmatched loans. The Plan has no credit risk because the amounts owed to the borrowers exceed the amounts the borrowers owe to the Plan.

Prior to the current fiscal year, under this program, the Plan has not experienced any defaults or losses on these loans. However, in November 2008 CORP was informed that due to recent market events one or more securities lending collateral vehicles that held assets had been impaired. This potential liability will be realized upon settlement of the recovery process or if there becomes a liquidity issue with the collateral pool. A liability of $\$ 1,150,130$ has been recorded as CORP's share.

| ASSET CLASS | OUT ON LOAN | TOTAL AVAILABLE <br> TO LOAN | \% OF AVAILABLE <br> TO LOAN |
| :--- | ---: | ---: | ---: |
| Equities | $111,813,100$ | $159,472,887$ | $70.2 \%$ |
| Agencies | - | - | - |
| Treasuries | - | - | - |
| Exchange Traded | 200,808 | $2,008,080$ | $10.0 \%$ |
| Totals | $\mathbf{1 1 2 , 0 1 3 , 9 0 8}$ | $\mathbf{1 6 1 , 4 8 0 , 9 6 7}$ | $\mathbf{6 9 . 4 \%}$ |

## VALUATION PROCESS FOR NON-EXCHANGE TRADED INVESTMENTS

The Corrections Officer Retirement Plan does not value any non-publicly traded assets. All of the System's non-publicly-traded assets are managed by external managers, who value the investments under their management in accordance with their established valuation policies, which may include discounted cash flow methodologies (such as purchase offers) or market comparable pricing is otherwise unavailable or appears imprudent to employ. Upon receipt of an external manager's valuation of assets under its management, that valuation is provided to the System's custodian bank which then reflects the valuation on the System's books of account.

## NOTE 4: CAPITAL ASSETS

These assets are stated at cost, and depreciable assets are depreciated using the straight-line method over the estimated life of the asset. Repairs and maintenance are charged to expense as incurred. Depreciation expense for June 30,2014 was $\$ 35,661$.

The table below is a schedule of the capital asset account balances as of June 30,2014 , and June 30,2013 , and changes to those account balances during the year ended June 30, 2014.

## SCHEDULE OF CAPITAL ASSET ACCOUNT BALANCES

|  | LAND | BUILDING AND IMPROVEMENTS | FURNITURE, FIXTURES AND EQUIPMENT | $\begin{array}{r} \text { TOTAL } \\ \text { CAPITAL ASSETS } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: |
| CAPITAL ASSETS |  |  |  |  |
| Balance June 30, 2013 | 86,588 | 661,246 | 202,387 | 950,221 |
| Additions | - | - | 19,534 | 19,534 |
| Deletions | - | 7,254 | - | 7,254 |
| Balance June 30, 2014 | 86,588 | 653,992 | 221,921 | 962,501 |
| ACCUMULATED DEPRECIATION |  |  |  |  |
| Balance June 30, 2013 | - | $(144,578)$ | $(160,628)$ | $(305,206)$ |
| Additions | - | $(19,838)$ | $(15,823)$ | $(35,661)$ |
| Deletions | - | - | - | - |
| Balance June 30, 2014 | - | $(164,416)$ | $(176,450)$ | $(340,867)$ |
| Net Capital Assets | 86,588 | 489,576 | 45,470 | 621,634 |

## NOTE 5: CONTRIBUTIONS REQUIRED AND CONTRIBUTIONS MADE

The Retirement System's funding policy provides for periodic employer contributions at actuarially determined rates that, expressed as percentages of annual covered payroll, are designed to accumulate sufficient assets to pay benefits when due. The normal cost and actuarial accrued liability are determined using a projected unit credit actuarial funding method. Unfunded actuarial accrued liabilities and assets in excess of actuarial accrued liabilities are being amortized as a level percent of payroll over a 22 year period. Beginning July 1, 2007, the minimum employer contribution rate was established at 6\%. A.R.S. 38-891.

During the year ended June 30,2014 contributions were made in accordance with contribution requirements determined by an actuarial valuation of the Plan as of June 30, 2012. Employer contributions, including AOC, represented $13.68 \%$ of covered payroll $[7.50 \%$ for normal costs ( $7.17 \%$ pension and $.33 \%$ health insurance) and 6.18\% for amortization of unfunded actuarial accrued liability in aggregate ( $5.41 \%$ pension and $.77 \%$ health insurance subsidy)]. AOC cost-sharing employer contributions represented $15.58 \%$ of covered payroll [ $7.32 \%$ for normal costs ( $7.03 \%$ pension and $.29 \%$ health insurance) and $8.26 \%$ for amortization of unfunded actuarial accrued liability in aggregate ( $7.42 \%$ pension and $.84 \%$ health insurance subsidy)]. ( $7.96 \%$ for dispatchers). Member contributions, for both CORP and AOC, represented 8.41\%.

## NOTE 6: OTHER BENEFITS

The PSPRS adopted a supplemental defined contribution plan for all contributing members of an eligible group. An eligible group is defined as the employees of the Board of Trustees, PSPRS, the CORP and the EORP. The employees of any of these eligible groups must make an election to participate within two years after the employee first meets the eligibility requirements to participate in the plan. The election to participate is irrevocable and continues for the remainder of the employee's employment with the employer. If an employee elects to participate, the employee must contribute at least $1 \%$ of the employee's gross compensation. The IRS maintains that the Employers designate the amounts contributed by each employee. All amounts contributed are subject to the discretion and control of the Employer. Employee contributions and earnings to the plan are immediately vested. Employer contributions, if any, are vested based on the following schedule:

$$
\begin{array}{lr}
\text { Less than one year of service } & 0 \% \\
\text { One year but less than two } & 20 \% \\
\text { Two years but less than three } & 40 \% \\
\text { Three years but less than four } & 60 \% \\
\text { Four years but less than five } & 80 \% \\
\text { Five years or more } & 100 \%
\end{array}
$$

PSPRS administers the supplemental defined contribution plan through Nationwide Retirement Solutions, Inc. All contributions are sent directly to the third party administrator from the participating employer groups.

## NOTE 7: HEALTH INSURANCE SUBSIDY

The plan description, summary of significant accounting policies, investment policies and contributions required for the health insurance subsidy are the same as the retirement plan and can be found under Notes 1,2 and 5 . The health insurance premium subsidy provided by A.R.S. §38-906 consists of a fixed dollar amount set by statute and paid by the Plan on behalf of eligible retired members. The subsidized health benefits are provided and administered by the Arizona State Retirement System, Arizona Department of Administration or the participating employer of the retired member. According to Governmental Accounting Standards Board (GASB) Statement No. 43, the health insurance subsidy paid by the Plan represents other post employment benefits. As of July 1, 2013 the Plan administers a separate healthcare plan as defined under IRC $\$ 401(\mathrm{~h})$ or an equivalent arrangement. In addition, the Plan is statutorily authorized A.R.S. $\$ 38-906$ to maintain a separate account for the health insurance subsidy assets and benefit payments. The Health Insurance assets are accounted for by employer and are available to pay only Health Insurance benefits.

## NOTE 8: PLAN TERMINATION

CORP and its related plans are administered in accordance with Arizona statutes. These statutes do provide for termination of the plans under A.R.S. 41-3016.18. The plans are scheduled to terminate on July 1,2016 , pending the results of the sunset audit review by the legislature and the auditor general's office.

## NOTE 9: CONTINGENCIES

Some of our real estate partners in the investments categorized as "other investments" have obtained third party financing, which is secured by real property. The Plan has entered into Capital Call Agreements with regards to these third party financing arrangements. The Capital Call Agreements, in the unlikely event of default, limit the Plan to the amount of the defaulted payment or the original terms of the investment approved by the Board of Trustees, whichever is less. In management's opinion, any loss realized due to current economic conditions will not have a material effect on the financial statements.

As stated in Note 3 - Cash and Investments (under the Security Lending Program heading), the Plan was notified of a situation involving one or more security lending collateral vehicles that held assets which have been impaired as a result of recent market events. An estimate of the unrealized loss is approximately $\$ 5.8$ million for all three plans and has been recorded as a liability. It is anticipated that a final resolution will be reached within the next few fiscal years.

## NOTE 10: FUNDING STATUS AND PROGRESS - HEALTH INSURANCE

The required schedule of funding progress for health insurance premium subsidy immediately following the notes to the financial statements presents multi-year 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 methods and assumptions used for the health insurance subsidy benefits are as follows:

Valuation Date: Actuarial Cost Method: Amortization Method: Remaining Amortization Period: Asset Valuation Method: Investment Rate of Return:
Projected Salary Increases:

June 30, 2014
Entry Age Normal
Level Percent of Payroll, Closed
22 years closed for unfunded accrued actuarial liability
7-Year Smoothed Market Value, 80\%/120\% Market
7.85\%
4.00\% to $7.25 \%$ which includes inflation at $4.00 \%$

As of June 30,2014 health insurance premium subsidy, including AOC, has assets of $\$ 5,085,191$ for a funding ratio of $105.24 \%$. The assets for health insurance premium subsidy were $\$ 102,100,399$ with liabilities of $\$ 97,015,208$. The excess is $.80 \%$ of covered payroll, $\$ 625,263,855$. As of June 30,2014 the AOC cost-sharing plan health insurance premium subsidy had liabilities of $\$ 10,487,387$ for a funding ratio of $37.75 \%$. The assets for the AOC health insurance premium subsidy were $\$ 6,359,967$ with liabilities of $\$ 16,847,354$. The liability is $9.47 \%$ of covered payroll, $\$ 110,728,017$.

Actuarial valuations involve estimates of the value of reported amounts and assumptions about the probability of events far into the future, and the actuarially determined amounts are subject to continual revision as actual results are compared to past expectations and new estimates are made about the future. Actuarial calculations reflect a long-term perspective. Consistent with this perspective, actuarial methods and assumptions used include techniques that are designed to reduce shortterm volatility in actuarial accrued liabilities and the actuarial value of assets. The actuarial calculations are based on the benefits provided under the terms of the Plan in effect at the time of each valuation. These benefits are described in Note 1 under "Summary of Benefits".

## ACCOUNTING STATUS

## DETERMINATION OF TOTAL PENSION LIABILITY

The total pension liability shown in this subsection is also shown as of the last date of the pension plan's fiscal year, June 30, 2014. A single discount rate of $7.85 \%$ was used to measure the total pension liability. This single discount rate was based on the expected rate of return on pension plan investments of $7.85 \%$. The projection of cash flows used to determine this single discount rate assumed that plan member contributions will be made at the current contribution rate and that employer contributions will be made at rates equal to the difference between actuarially determined contribution rates and the member rate. Based on these assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability. The actuarial methods for AOC were the same as CORP aggregate.

The actuarial methods and assumptions used for the pension liability are as follows:

| Valuation Date: | June 30, 2014 |
| :--- | :--- |
| Actuarial Cost Method: | Entry Age Normal |
| Amortization Method: | Level Percent of Payroll, Closed |
| Remaining Amortization Period: | 22 years |
| Asset Valuation Method: | Fair value |
| Inflation | $4.00 \%$; no explicit price inflation assumption |
| Actuarial Assumptions: |  |
| Investment Rate of Return: | $7.85 \%$ |
| Projected Salary Increases: | $4.00 \%$ to $7.25 \%$ |
| Payroll Growth | $4.00 \%$ |
| Retirement Age Mortality | Experience-based table of rates specific to the type of eligibility condition |
|  | RP-2000 mortality table (adjusted by 105\% for males and females) |
| Assumed Future Permanent | Members retired on or before July 1, 2011: $2.25 \%$ of benefit |
| Benefit Increases | Members retired on or after August 1, 2011: $0.5 \%$ of benefit |

## EXPECTED RETURN - GEOMETRIC BASIS TARGET INVESTMENT ALLOCATION (INCLUDING AOC)

| ASSET CLASS | TARGET ALLOCATION | REAL RETURN GEOMETRIC BASIS | LONG-TERM <br> EXPECTED <br> PORTFOLIO <br> REAL RATE <br> OF RETURN |
| :---: | :---: | :---: | :---: |
| Short Term Investments | 2\% | 3.25\% | 0.07\% |
| Absolute Return | 4\% | 6.75\% | 0.27\% |
| Risk Parity | 4\% | 6.04\% | 0.24\% |
| Fixed Income | 7\% | 4.75\% | 0.33\% |
| Real Assets | 8\% | 5.96\% | 0.48\% |
| GTAA | 10\% | 5.73\% | 0.57\% |
| Private Equity | 11\% | 9.50\% | 1.05\% |
| Real Estate | 11\% | 6.50\% | 0.72\% |
| Credit Opportunities | 13\% | 8.00\% | 1.04\% |
| Non-U.S. Equity | 14\% | 8.63\% | 1.21\% |
| U.S. Equity | 16\% | 7.60\% | 1.22\% |
| Total | 100\% |  | 7.18\% |

The long-term expected rate of return on pension plan investments was determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. The geometric method is the best method used to calculate the average rate per period on an investment that is compounded over multiple periods.

MEASUREMENT OF NET PENSION LIABILITY
The net pension liability is to be measured as the total pension liability, less the amount of the pension plan's fiduciary net position. As of the plan year ending June 30 , 2014, the net pension liability is $\$ 224,393,018$. If a single discount rate that is one percent lower was used, the net pension liability would have been $\$ 296,305,755$. Similarly, if a single discount rate that was one percent higher was used, the net pension liability would have been $\$ 164,643,155$. Total Pension Liability for FY2014 is $\$ 541,912,095$. The Plan's Fiduciary Net Position is $\$ 317,519,077$ which is $58.59 \%$ of Total Pension Liability.

ADMINISTRATIVE OFFICE OF THE COURTS (575) SENSITIVITY OF NET POSITION LIABILITY TO THE SINGLE DISCOUNT RATE ASSUMPTION

|  | 1\% DECREASE | SINGLE RATE <br> ASSUMPTION | $\mathbf{1 \%}$ INCREASE |
| :--- | ---: | ---: | ---: |
|  | $\mathbf{6 . 8 5 \%}$ | $\mathbf{7 . 8 5 \%}$ | $\mathbf{8 . 8 5 \%}$ |
| Total Pension Liability | $613,824,832$ | $541,912,095$ | $482,162,232$ |
| Plan Fiduciary Net Position | $317,519,077$ | $317,519,077$ | $317,519,077$ |
| Net Position Liability (Asset) | $\mathbf{2 9 6 , 3 0 5 , 7 5 5}$ | $\mathbf{2 2 4 , 3 9 3 , 0 1 8}$ | $\mathbf{1 6 4 , 6 4 3 , 1 5 5}$ |

## NOTE 11: PENDING LAWSUITS

In compliance with the Supreme Court decision regarding permanent benefit increase (PBI) payments, the Public Safety Personnel Retirement System issued a retroactive permanent benefit increase payment for its eligible members (those members who retired effectively on or before July 1, 2011). We are still awaiting the outcomes of the others lawsuits filed in the Superior Court of Arizona in Maricopa County that challenged Senate Bill 1609 in 2011.

## NOTE 12: ESTABLISHMENT OF HEALTH INSURANCE RESERVES

In order to preserve the non-taxable status of the health insurance subsidy benefit, the IRS required CORP to maintain a reserve separate from the pension reserve. Consequently, reserve balances for the health insurance subsidy were constructed from prior years of contribution and subsidy distribution data. Previously, employer contributions were reported net of health insurance subsidy distributions with the subsidy payments included in pension benefits. Changes were employed to report pension and health insurance subsidy contributions separately including ten year schedules. Likewise, pension benefits paid and health insurance subsidy payments are being reported separately.

SCHEDULE OF FUNDING PROGRESS
HEALTH INSURANCE PREMIUM SUBSIDY (INCLUDING AOC)
(IN THOUSANDS)


SCHEDULE OF FUNDING PROGRESS
HEALTH INSURANCE PREMIUM SUBSIDY ADMINISTRATIVE OFFICE OF THE COURTS (575) (IN THOUSANDS)

|  | ACTUARIAL | ACTUARIAL |  |  | ANNUAL | UAAL AS A \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ACTUARIAL | VALUE OF |  |  |  |  |  |
| ASSETS |  |  |  |  |  |  | | ACCRUED |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| LIABILITY | UNFUNDED |  |  |  |
| AAL(UAAL) | FUNDED | COVERED | OF COVERED |  |
| VALUATION | (A) | (B) | (B-A) | (A/B) |

HEALTH INSURANCE CONTRIBUTIONS
SCHEDULE OF EMPLOYER CONTRIBUTIONS (INCLUDING AOC)

| FISCAL <br> YEAR END <br> JUNE 30, | ANNUAL <br> REQUIRED <br> CONTRIBUTIONS | PERCENT <br> CONTRIBUTED |
| :---: | :---: | :---: |
| 2012 | $8,371,142$ | $100.00 \%$ |
| 2013 | $8,194,628$ | $100.00 \%$ |
| 2014 | $6,681,242$ | $100.00 \%$ |

SCHEDULE OF EMPLOYER CONTRIBUTIONS
HEALTH INSURANCE CONTRIBUTIONS
ADMINISTRATIVE OFFICE OF THE COURTS (575)

| FISCAL <br> YEAR END <br> JUNE 30, | ANNUAL <br> REQUIRED <br> CONTRIBUTIONS | PERCENT <br> CONTRIBUTED |
| :---: | :---: | :---: |
| 2012 | $1,245,749$ | $100.00 \%$ |
| 2013 | $1,363,709$ | $100.00 \%$ |
| 2014 | $1,204,069$ | $100.00 \%$ |

SCHEDULE OF PENSION CONTRIBUTIONS
ADMINISTRATIVE OFFICE OF THE COURTS (575)
LAST 10 FISCAL YEARS (BUILT PROSPECTIVELY FROM 2014)

| FISCAL |  |  |  |  |  |
| :---: | ---: | ---: | ---: | ---: | ---: |
| YEAR END <br> JUNE 30, | ACTUARIALLY <br> DETERMNED <br> CONTRIBUTION | ACTUAL <br> CONTRIBUTION | CONTRIBUTION <br> DEFIIIENY <br> (EXCESS) | COVERED <br> PAYROLL | CONTRIBUTION <br> ASA OF OF |
| 2014 | $15,930,155$ | $15,551,633$ | 378,522 | $110,728,017$ | $14.04 \%$ |

* Based on Projected Payroll

| SCHEDULE OF EMPLOYERS NET PENSION LIABILITY <br> ADMINISTRATIVE OFFICE OF THE COURT (575) <br> LAST 10 FISCAL YEARS (BUILT PROSPECTIVELY FROM 2014) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FISCAL YEAR END JUNE 30, | $\begin{aligned} & \text { TOTAL } \\ & \text { PENSION } \\ & \text { LIABILITY } \end{aligned}$ | $\begin{aligned} & \text { PLAN NET } \\ & \text { POSITION } \end{aligned}$ | $\begin{aligned} & \text { NET } \\ & \text { PENSION } \\ & \text { LIABILITY } \end{aligned}$ | NET POSITION ASA \% OF TOTAL LIABILITY | COVERED PAYROLL | $\begin{array}{r} \text { NET LIABILITY } \\ \text { ASA \% OF } \\ \text { COVERED PAYROLL } \end{array}$ |
| 2014 | 541,912,095 | 317,519,007 | 224,393,088 | 58.59\% | 110,728,017 | 202.65\% |

SCHEDULE OF INVESTMENT RETURNS MONEY WEIGHTED RATE OF RETURN LAST TEN FISCAL YEARS


SCHEDULE OF CHANGES IN EMPLOYER'S NET PENSION LIABILITY AND RELATED RATIOS ADMINISTRATIVE OFFICE OF THE COURTS (575) LAST 10 FISCAL YEARS (BUILT PROSPECTIVELY)

| FISCAL YEAR ENDING JUNE 30, | $\mathbf{2 0 1 4}$ |
| :--- | ---: |
| TOTAL PENSION LIABLLTY |  |
| Service Cost | $\mathbf{1 6 , 9 5 5 , 7 3 8}$ |
| Interest on Total Pension Liability | $35,423,999$ |
| Benefit Changes | $45,420,437$ |
| Expected-Actual Experience of Total Pension Liability | $9,870,077$ |
| Benefit Payments and Refunds | $(17,082,841)$ |
| Net Change in Total Pension Liability | $\mathbf{9 0 , 5 8 7 , 4 1 0}$ |
| Beginning Total Pension Liability | $\mathbf{4 5 1 , 3 2 4 , 6 8 5}$ |
| Ending Total Pension Liability (A) | $\mathbf{5 4 1 , 9 1 2 , 0 9 5}$ |

PLAN FIDUCIARY NET POSITION

| Employer Contributions | $15,551,633$ |
| :--- | ---: |
| Employee Contributions | $9,132,189$ |
| Pension Plan Net Investment Income | $36,147,891$ |
| Benefit Payments and Refunds | $(17,082,841)$ |
| Pension Plan Administrative Expense | $(304,890)$ |
| Other | $(4,624,871)$ |
| Net Changes in Plan Fiduciary Net Position | $\mathbf{3 8 , 8 1 9 , 1 1 1}$ |
| Beginning Plan Fiduciary Net Position | $\mathbf{2 7 8 , 6 9 9 , 9 6 6}$ |
| Ending Plan Fiduciary Net Position (B) | $\mathbf{3 1 7 , 5 1 9 , 0 7 7}$ |
|  | $\mathbf{2 2 4 , 3 9 3 , 0 1 8}$ |
| Net Pension Liability (A-B) | $\mathbf{5 8 . 5 9 \%}$ |
| Plan Fiduciary Net Position as \% of Total Pension Liability | $\mathbf{1 1 0 , 7 2 8 , 0 1 7}$ |
| Covered Employee Payroll | $\mathbf{2 0 2 . 6 5 \%}$ |
| Net Position Liability as \% of Covered Employee Payroll |  |

## FINANCIAL SECTION

## REQUIRED SUPPLEMENTARY INFORMATION

## NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION

## ACTUARIAL METHODS AND ASSUMPTIONS USED TO DETERMINE RECOMMENDED CONTRIBUTION AMOUNTS

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

## PENSION

Valuation date
Actuarial cost method Amortization method Remaining amortization period Asset valuation method Inflation

Actuarial assumptions:
Investment Rate of Return
June 30, 2012
Entry Age Normal
Level percent of pay, Closed
24 years for underfunded, 20 years for overfunded
7-year smoothed market $80 \% / 120 \%$ market corridor
$4 \%$; No explicit price inflation assumption is used in this evaluation.
8.00\%

Projected Salary Increases
Payroll Growth
5.00\% - 8.25\%
5.00\%

Cost of Living Adjustments
None

## HEALTH INSURANCE

As of July 1, 2013, the assets for Health Insurance premiums were separated from the pension assets. The Health Insurance contributions will be accounted for by employer and are only available to pay health insurance benefits.
SCHEDULE OF CHANGES IN RESERVE BALANCE
FOR THE YEARS ENDED JUNE 30,2014 AND 2013
CORP

|  | REFUNDABLE MEMBERS' RESERVE | EMPLOYERS' RESERVE | HEALTH INSURANCE RESERVE | FUTURE BENEFIT INCREASE RESERVE | REFUNDABLE MEMBERS' RESERVE | EMPLOYERS' RESERVE | HEALTH INSURANCE RESERVE | FUTURE BENEFIT INCREASE RESERVE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BALANCE AS OF JUNE 30, 2012 | \$ 302,733,061 | \$ 664,461,373 | \$70,091,293 | \$- | \$ 71,102,740 | \$170,401,456 | \$ 3,363,684 | \$- |
| DISTRIBUTION OF REVENUES AND EXPENSES |  |  |  |  |  |  |  |  |
| Members' Contributions | 42,981,467 | - | - | - | 8,481,808 | - | - | - |
| Employers' Contributions | - | 49,306,682 | 6,071,192 | - | - | 11,800,018 | 1,263,033 | - |
| Earnings (Loss) on Investments Net of Investment Expenses | - | 103,797,008 | 7,646,452 | - | - | 26,415,270 | 408,803 | - |
| Pension and Insurance Benefits | - | $(81,203,339)$ | $(2,523,480)$ | - | - | $(13,610,114)$ | $(306,145)$ | - |
| Refunds to Terminated Members | $(18,913,138)$ | $(10,065,326)$ | - | - | $(1,488,428)$ | $(712,606)$ | - | - |
| Administrative Expenses | - | $(1,020,953)$ | - | - | - | $(245,737)$ | - | - |
| DISTRIBUTION OF TRANSFERS | - | - | - | - | - | - | - | - |
| Excess Investment Earnings to be used for Future Benefit Increases | - | - | - | - | - | - | - | - |
| Earnings (Loss) on Excess Investment Earnings Account Assets | - | - | - | - | - | - | - | - |
| Amount Utilized by Benefit Increases Granted | - | - | - | - | - | - | - | - |
| Net Transfers In (Out) and Purchase of Service Credits | $(619,950)$ | $(494,117)$ | - | - | 264,670 | 193,344 | - | - |
| Balances Transferred to Employers' Reserve due to Retirement | $(17,033,197)$ | 17,033,197 | - | - | $(3,615,005)$ | 3,615,005 | - | - |
| BALANCE AS OF JUNE 30, 2013 | 309,148,243 | 741,814,525 | 81,285,457 | - | 74,745,785 | 197,856,636 | 4,729,375 | - |
| DISTRIBUTION OF REVENUES AND EXPENSES |  |  |  |  |  |  |  |  |
| Members' Contributions | 42,697,294 | - | - | - | 9,039,472 | - | - | - |
| Employers' Contributions | - | 62,246,291 | 5,477,173 | - | - | 15,551,633 | 1,204,069 | - |
| Earnings (Loss) on Investments Net of Investment Expenses | - | 145,433,409 | 10,977,241 | - | - | 37,418,753 | 687,469 | - |
| Pension and Insurance Benefits | - | $(91,318,857)$ | $(2,728,206)$ | - | - | $(15,767,955)$ | $(309,357)$ | - |
| Refunds to Terminated Members | $(18,649,269)$ | $(10,482,553)$ | - | - | $(993,407)$ | $(321,479)$ | - | - |
| Administrative Expenses | - | $(1,143,482)$ | - | - | - | $(294,209)$ | - | - |
| DISTRIBUTION OF TRANSFERS | - | - | - | - | - | - | - | - |
| Excess Investment Earnings to be used for Future Benefit Increases | - | - | - | - | - | - | - | - |
| Earnings (Loss) on Excess Investment Earnings Account Assets | - | - | - | - | - | - | - | - |
| Amount Utilized by Benefit Increases Granted | - | - | - | - | - | - | - | - |
| Net Transfers In (Out) and Purchase of Service Credits | 166,543 | $(186,220)$ | - | - | 226,626 | 57,222 | - | - |
| Balances Transferred to Employers' Reserve due to Retirement | $(16,123,485)$ | 16,123,485 | - | - | $(3,902,687)$ | 3,902,687 | - | - |
| BALANCE AS OF JUNE 30, 2014 | \$317,239,326 | \$862,486,598 | \$95,011,665 | \$- | \$79,115,789 | \$238,403,288 | \$6,311,556 | \$- |


| RECEIPTS |  |  |
| :---: | :---: | :---: |
| Members' Contributions | 51,832,199 | 50,515,340 |
| Employers' Contributions | 77,504,980 | 60,562,605 |
| Health Insurance Contributions | 6,688,833 | 7,341,816 |
| Alternative Contributions | 223,066 | 203,683 |
| Interest | 1,887,076 | 1,235,410 |
| Dividends | 11,228,184 | 9,950,791 |
| Other Income | 14,835,250 | 15,173,741 |
| Securities Lending Income | 410,888 | 214,579 |
| Transfer In | 296,833 | 184,576 |
| Service Purchase | 466,027 | 814,501 |
| Maturities and Sales of: |  |  |
| U S Equity | 182,306,562 | 50,445,686 |
| NON-U S Equity | 90,809,588 | 59,160,564 |
| GTAA | 28,404,384 | 8,234,336 |
| Fixed Income | 35,766,890 | 28,972,892 |
| Absolute Return | 2,505,819 | 5,897,409 |
| Credit Opportunities | 47,724,655 | 39,692,984 |
| Private Equity | 40,457,626 | 12,499,137 |
| Real Assets | 36,525,112 | 16,488,584 |
| Real Estate | 48,076,329 | 6,622,095 |
| Risk Parity | 35,913,687 | 4,726,465 |
| Total Receipts | 713,863,988 | 378,937,194 |
| DISBURSEMENTS |  |  |
| Pension Benefits | 105,319,930 | 93,179,451 |
| Refunds to Terminiated Members | 30,446,708 | 31,179,499 |
| Drop Benefits | 1,766,882 | 1,633,892 |
| Health Insurance Subsidy | 3,037,563 | 2,829,625 |
| Investment and Administrative Expenses | 31,463,178 | 7,703,654 |
| Transfer Out | 498,689 | 840,629 |
| Acquisitions of: |  |  |
| U S Equity | 212,152,166 | 5,247,854 |
| NON-U S Equity | 86,771,371 | 56,301,758 |
| GTAA | 14,175,795 | 4,893,972 |
| Fixed Income | 42,928,797 | 10,530,893 |
| Absolute Return | 3,634,904 | 10,191,575 |
| Credit Opportunities | 28,941,104 | 49,969,060 |
| Private Equity | 17,773,886 | 25,278,900 |
| Real Assets | 23,646,273 | 24,708,256 |
| Real Estate | 67,251,397 | 15,742,268 |
| Risk Parity | 14,079,692 | 35,780,231 |
| Total Disbursements | 683,888,335 | 376,011,517 |
| INCREASE (DECREASE) IN CASH | 29,975,653 | 2,925,677 |
| BEGINNING CASH BALANCE - July 1 | 29,639,900 | 26,714,223 |
| ENDING CASH BALANCE - June 30 | 59,615,553 | 29,639,900 |

## SCHEDULE OF ADMINISTRATIVE EXPENSES

FOR THE YEAR ENDED JUNE 30, 2014

| EXPENSE CATEGORY | ADMINISTRATIVE | INVESTMENT | TOTAL |
| :--- | ---: | ---: | ---: |
| Accounting and Auditing Services | 18,292 | - | 18,292 |
| Actuarial Services | 29,548 | - | 29,548 |
| Building Expense | 28,928 | - | 28,928 |
| Communications | 8,046 | - | 8,046 |
| Computer Related Expense | 25,058 | 8,756 | 33,814 |
| Contractual Services | 11,011 | - | 11,011 |
| Depreciation Expense | 35,661 | - | 35,661 |
| Fund Manager Initiatives | 3,630 | - | 3,630 |
| Furniture and Equipment | 4,983 | 163 | 5,146 |
| Investment Services | - | $31,309,168$ | $31,309,168$ |
| Legal Services | 303,846 | 157,394 | 461,240 |
| Local Board Training | - | - | - |
| Payroll Taxes and Fringe Benefits | 207,071 | 62,192 | 269,263 |
| Postage Expenses | 6,319 | - | 6,319 |
| Printing and Publications | 2,395 | - | 2,395 |
| Professional Services | 177,613 | 354,200 | 531,813 |
| Salaries and Wages | 557,845 | 218,779 | 776,624 |
| Supplies and Services | 6,074 | - | 6,074 |
| Training Expenses | 8,410 | 9,480 | 17,890 |
| Travel Expense | 2,961 | 11,137 | 14,098 |
| TOTAL | $\mathbf{1 , 4 3 7 , 6 9 1}$ | $32,131,269$ | $33,568,960$ |
|  |  | - |  |

SCHEDULE OF CONSULTANT EXPENSES
FOR THE YEAR ENDED JUNE 30, 2014

| CONSULTANT | SERVICE PROVIDED | FEES PAID |
| :--- | :--- | ---: |
| ALBOURNE AMERICA, LLC | International Alternative Investment Consultant | 113,342 |
| BNY MELLON ASSET SERVICING | Independent Investment Advisor | 38,774 |
| COOLEY LLP | Investment Counsel | 3,579 |
| ERNST \& YOUNG LLP | Investment Consultant | 50,498 |
| FOLEY \& LARDNER, LLC | Investment Counsel | 12,727 |
| GABRIEL ROEDER SMITH \& COMPANY | Actuary | 74,873 |
| GOODWIN PROCTER | Legislative Liaison | 6,349 |
| HEINFELD, MEECH \& CO. | Independent Auditor | 19,234 |
| HIGHGROUND, INC | Legislative Liaison | 16,057 |
| JACKSON WALKER LLP | Investment Counsel | 7,700 |
| KUTAK ROCK LLP | General Counsel | 310,176 |
| LEWIS AND ROCA, LLP | HR Consultant | 25,144 |
| LIGHT STONE SOLUTIONS, LLC | Due Diligence | 36,948 |
| NEPC, LLC | Independent Investment Advisor | 84,613 |
| OFFICE OF THE ATTORNEY GENERAL | General Counsel | 13,849 |
| ORG PORTFOLIO MANAGEMENT LLC | Real Estate Consultant | 59,032 |
| OSAM INC. | IT Counsel | 7,160 |
| PATRICE ROBINSON CONSULTING | IT Consultant | 8,183 |
| PILLSBURY | Investment Counsel | 1,602 |
| PUBLIC POLICY PARTNERS | Legislative Liaison | 23,613 |
| ROPES \& GRAY LLP | Investment Counsel | 1,330 |
| STEPSTONE GROUP LLC | Equity Advisors | 13,977 |
| STEPTOE \& JOHNSON, LLP | Litigation Counsel | 13,268 |
| WHETSTINE, CHARLES | IRS Consultant | 961,62 |

Grand Total


Brian P. Tobin, Chairman
PUBLIC SAFETY PERSONNEL RETIREMENT SYSTEM

Gregory Ferguson, Vice Chair CORRECTIONS OFFICER RETIREMENT PLAN

Jeff Allen McHenry, Trustee
ELECTED OFFICIALS' RETIREMENT PLAN

Richard J. Petrenka, Trustee
Randie A. Stein, Trustee
Lauren W. Kingry, Trustee
William C. Davis, Trustee
3010 East Camelback Road, Suite 200
Phoenix, Arizona 85016-4416
www.psprs.com
TELEPHONE: (602) 255-5575
FAX: (602) 255-5572

| Administration |  |
| :---: | :---: |
| Ryan Parham | Jared A. Smout |
| Chief Investment Officer | Deputy Administrator |

Deputy Administrator

March 3, 2015
The Board of Trustees and
The Deputy Administrator of the
Arizona Public Safety Personnel Retirement System
Members:
As the Chief Investment Officer of the Public Safety Personnel Retirement System (PSPRS) during the fiscal year beginning July 1, 2013 and ending June 30,2014 , I submit the following comments and observations for your consideration and for the consideration of the respective parties in interest of the System:

## INTRODUCTION

On behalf of the PSPRS investment team, it is a pleasure to provide this annual update of investment activities of the PSPRS Trust for the fiscal year ending June 30 , 2014. This marks approximately the fourth year in the operation of a substantially less risky portfolio, and five years since we began moving away from the old U.S. stock (equity) heavy strategy. In 2014 , we returned approximately $13.28 \%$ or approximately $\$ 988,000,000.00$ in earnings. In 2013 , our return was approximately $10.64 \%$ and our five year annualized return is approximately $10.68 \%$. This is exactly the increase in consistency that we have been charged with delivering to the PSPRS system. Our assumed earnings rate is $7.85 \%$. That is a primary goal for the system's investments for us to "break even." $7.85 \%$ is the rate calculated to pay our liabilities and to move toward $100 \%$ funding over time. Even with much less risk, in the last five years we have exceeded that goal by almost $3 \%$ per year.

## DIVERSIFICATION (HOW MUCH UP AND HOW MUCH DOWN)

The Trust's porffolio returns for the fiscal year ending June 30,2014 continue to come from many diversified sources (10 separate asset classes.) We expect that diversification to help us to capture most of strong positive markets and to protect us from the worst of devastating negative markets. This was demonstrated in 2014 where we captured almost $3 / 4$ of the returns of stock heavy porffolios. But in Q 32014 , when stocks were hard hit we had only $1 / 3$ of the losses of those portfolios.

For the past five years the total volatility of the PSPRS portfolio has been roughly one half that of the U.S. Stock markets.


The practical implications of this shift can be seen in the following worst case stress model results:

| Events | Today's Portfolio | PSPRS Trust Actual |
| :--- | :---: | :---: |
| Asian Crisis of 1997 | $3.4 \%$ | $5.7 \%$ |
| Russian/LTCM Crisis 1998 | $-3.1 \%$ | $-5.5 \%$ |
| WTC Attacks - Sept. 11 | $-6.1 \%$ | $-11.7 \%$ |
| Stock Market Crash 2002 | $-8.0 \%$ | $-21.1 \%$ |
| August Crisis 2007 | $\mathbf{1 . 3 \%}$ | $\mathbf{1 . 6 \%}$ |
| January Crisis 2008 | $-4.1 \%$ | $-2.7 \%$ |
| Credit Crunch 2008 (Aug to Nov) | $-15.1 \%$ | $-23.1 \%$ |
| Crisis 2009 (Jan-Feb) | $-8.5 \%$ | $-12.9 \%$ |
| Flash Crash 2010 | $-3.5 \%$ | $-3.7 \%$ |

Volatility analysis and stress test results such as these led us to perform a dedicated study of the Trust's risk and efficiency evolution over time. Results were published in the Journal of Asset Management in August, 2014 (entitled "Modern Pension Fund Diversification") and lead us to conclude that the current portfolio has almost $1 / 4$ as much risk at it had just seven years ago, that it has roughly half the risk of a $60 \%$ stock /40\% bond portfoloo, but it has also maintained roughly the same expected return.

Independent peer comparison analysis places the PSPRS Trust among the top 10\% lowest risk, and top 10\% highest efficiency (Sharpe Ratio) of defined-benefit pension funds in the United States today, based on one year, three year and five year track records.

## THE PSPRS TEAM (A FURTHER NOTE)

We have been much in the news in the last year as a variety of reckless allegations made by former staff members were investigated, often at our request. I am happy to report that, yet again, PSPRS has been exonerated of any wrong doing, most recently by the U.S. Attorney's office. I can further confirm that all members of the PSPRS investment staff are currently paid below the median and below the average of their peers in similar funds throughout the U.S. as reported in a recent compensation survey.
The current PSPRS Investment team brings together more than 100 years of experience, 7 master level degrees along with 5 doctorate level degrees. When we add that to the hundreds of analysts who work within our consultancies in offices around the world, we have expertise, experience and coverage to manage our truly global and diversified portfolio.
I am wonderfully proud of all the hard work that has been done by Staff and our Consultants which has produced these admirable results.
Respectfully and Gratefully Submitted,
P. la sha.

Ryan P. Parham
Chief Investment Officer

## FUND INVESTMENT OBJECTIVES

The objective of the Fund is to ensure the integrity of the Elected Officials' Retirement Plan, Public Safety Personnel Retirement Plan and the Corrections Officer Retirement Plan in order to adequately fund benefit levels for members as stated in Title 38, Chapter 5, Articles 3,4 and 6 of the Arizona Revised Statutes and as amended from time to time by the Legislature. To achieve the objective, the Fund will do the following:

- Maintain a goal for the Fund's assets to be equal to the Fund's liabilities within a twenty year period.
- Annually adjust the employer contribution rates based on the recommendations made by the annual actuarial evaluations.
- Determine a reasonable contribution rate necessary to fund benefits approved by the legislature and then reduce the variation in the employer contribution rate over time to the Fund.
- Preserve and enhance the capital of the Fund through effective management of the portfolio in order to take advantage of attractive opportunities various markets and market sectors have to offer.
- Provide the opportunity for increased benefits for retirees as the legislature may from time to time enact through systematic growth of the investment fund.

Consistent with the Fund objectives, the primary investment objective of the Fund is to maximize long-term real (after inflation) investment returns recognizing established risk (volatility) parameters and the need to preserve capital by:

- Deriving a reasonable asset allocation model that attempts to fully achieve the primary investment objective, over the long term.
- Consistent with these objectives and the direction of the Board of Trustees, strategically allocating within asset classes and investment styles in order to enhance investment returns.
- Regularly reviewing the status of investments.
- Regularly assessing the need to adjust the mix, type and composition of the investment classes within the allocation ranges.

The possibility of short-term declines in the market value of the Fund or the Fund's assets is a recognized consequence of achieving potentially higher long-term investment returns.

The time horizon for evaluating total Fund investment performance shall be long-term.

## ASSET ALLOCATION

JUNE 30, 2014


| Description | 1 Year | 3 Years | 5 Years | 10 Years |
| :---: | :---: | :---: | :---: | :---: |
| PSPRS - Total Fund | 13.28\% | 7.65\% | 10.68\% | 5.77\% |
| Target Fund Benchmark | 13.82\% | 8.84\% | 11.15\% | 4.81\% |
| Total Equity | 21.20\% | 10.36\% | 14.72\% | 6.75\% |
| Target Equity Benchmark | 23.68\% | 11.78\% | 15.82\% | 7.92\% |
| U.S. Equity | 21.90\% | 13.85\% | 17.57\% | N/A |
| Russell 3000 | 25.22\% | 16.46\% | 19.33\% | N/A |
| Non-U.S. Equity | 20.35\% | 5.54\% | 10.71\% | N/A |
| MSCI ACWI Ex-USNet | 21.75\% | 5.73\% | 11.11\% | N/A |
| Private Equity | 26.60\% | 14.46\% | 19.04\% | N/A |
| Russell $3000+100$ bps | 26.22\% | 17.46\% | 20.33\% | N/A |
| Fixed Income | 6.21\% | 4.62\% | 6.31\% | 5.04\% |
| BC Global Aggregate | 7.39\% | 2.57\% | 4.60\% | 5.06\% |
| Credit Opportunities | 11.31\% | 7.89\% | 14.75\% | N/A |
| ML US High Yield BB-B Constrained, CSFB Arbitrage | 8.59\% | 7.70\% | 11.19\% | N/A |
| Absolute Return | 8.28\% | 9.54\% | N/A | N/A |
| BofA ML 3-Month T-Bill + 200 bps | 2.05\% | 2.07\% | N/A | N/A |
| GTAA | 7.51\% | 4.78\% | N/A | N/A |
| 3-Month LIBOR + 300bps | 3.23\% | 3.33\% | $N / A$ | N/A |
| Real Assets | 8.85\% | 4.24\% | 5.10\% | N/A |
| CPI +200 bps | 4.08\% | 3.84\% | 4.00\% | N/A |
| Real Estate | -1.26\% | 1.54\% | -2.77\% | N/A |
| NCREIF NPI | 11.21\% | 11.32\% | 9.67\% | N/A |
| Risk Parity | 9.71\% | N/A | N/A | N/A |
| BC Global Agg, MSCI AC World Net, Dow Jones UBS Ind | 12.07\% | N/A | $N / A$ | N/A |
| Short Term Investments | 0.27\% | -0.05\% | 0.05\% | 1.76\% |
| BofA ML 3-Month T-Bill | 0.05\% | 0.07\% | 0.11\% | 1.63\% |

*Time weighted rate of return based on the market rate of return (net of fees).
Target Fund Benchmarks (Effective Dates)
July 1, 2013 to Present: $17 \%$ Russell $3000,14 \%$ MSCI ACWI Ex-US Net, $10 \%$ Russell $3000+100$ bps, $8 \%$ BC Global Aggregate, 12\% Credit Opportunities Benchmark, 4\% BofA ML 3-Month T-Bill + 200 bps, $10 \% 3$-Month LIBOR +300 bps, $8 \%$ CPI + 200 bps, 11\% NCREIF NPI, $4 \%$ Risk Parity Benchmark and 2\% BofA ML 3-Month T-Bill.
July 1, 2012 - June 30,2013 : $18 \%$ Russell $3000,14 \%$ MSCI World Ex-US Net, $9 \%$ Russell $3000+100$ bps, $12 \%$ BC Global Aggregate, $12 \%$ Credit Opportunities Benchmark, $4 \%$ BofA ML 3Month T-Bill +200 bps, $8 \% 3$-Month LIBOR +300 bps, $7 \%$ CPI +200 bps, $10 \%$ NCREIF NPI, $4 \%$ Risk Parity Benchmark and 2\% BofA ML 3-Month T-Bill.
July 1, 2010 - June 30, 2012: 20\% Russell 3000, 15\% MSCI World Ex-US Net, $8 \% 3$-Month LIBOR + 300 bps, 20\% BC US Aggregate, $4 \%$ BofA ML 3-Month T-Bill +200 bps, $9 \%$ BofA ML US High Yield BB-B Constrained, $8 \%$ Russell $3000+100$ bps, $6 \%$ CPI +200 bps, $8 \%$ NCREIF NPI and 2\% BofA ML 3-Month T-Bill.
April 1,2009-June 30, 2010: 30\% Russell 3000, 20\% MSCI ACWI Ex-US Net, 20\% BC US Aggregate, $8 \%$ NCREIF NPI, $8 \%$ Russell $3000+100 \mathrm{bps}, 8 \%$ BofA ML US High Yield BB-B Constrained, $5 \%$ CPI +200 bps and $1 \%$ BofA ML 3-Month T-Bill

## Target Equity Benchmarks (Effective Dates)

July 1, 2013 to Present: 54.84\% Russell 3000 and $45.16 \%$ MSCI ACWI Ex-US Net.
July 1, 2012 - June 30, 2013: 56.25\% Russell 3000 and 43.75\% MSCI ACWI Ex-US Net.
July 1, 2010 - June 30, 2012: 57.14\% Russell 3000 and $42.86 \%$ MSCI ACWI Ex-US Net.

EQUITY PORTFOLIO TOP 10 HOLDINGS
JUNE 30, 2014

| Description | Shares | Fair Value |
| :--- | ---: | ---: |
| STATE STREET INTL EQ | $24,129,267$ | $153,492,569$ |
| STATE STREET US EQTY | $2,086,681$ | $103,764,987$ |
| CRESTLINE ALPHA | $34,350,513$ | $34,350,514$ |
| ACADIAN US MANAGED | 568,548 | $26,588,573$ |
| SEG BAXTER STREET | $5,897,285$ | $19,088,290$ |
| EAGLE SMALL CAP ST | 538,124 | $16,968,670$ |
| ESG CBE | $15,617,053$ | $15,617,053$ |
| SOUTHPOINT | $14,734,984$ | $14,734,984$ |
| THB MICRO CAP | $1,385,368$ | $13,733,478$ |
| GOTHAM INSTL SELECT | 350,848 | $11,868,166$ |


| Description | Shares | Fair Value |
| :--- | ---: | ---: |
| BGI CORE ACTIVE BOND FUND | $2,415,946$ | $58,780,888$ |
| IGUAZU PARTNERS LP | $16,060,886$ | $16,060,886$ |
| BLACKROCK FIXED INCOME GLOBAL | $14,765,372$ | $14,765,371$ |
| GOLDENTREE HIGH YIELD VALUE | $12,242,693$ | $12,242,693$ |
| FRANKLIN TEMPLETON EMD | $10,908,625$ | $10,908,625$ |
| CAPITAL GUARDIAN EMERGING | 486,439 | $7,525,218$ |
| CBO HLDGS III 04-3 CL A 144A | $2,437,106$ | $2,430,101$ |
| FHLMC MULTICLASS MTG 3561 B | $1,967,741$ | $2,072,189$ |
| FHLMC MULTICLASS MTG 3740 KD | $1,967,741$ | $2,063,196$ |
| SKYWAY CONCESSION CO LLC 144A | $2,558,063$ | $2,008,080$ |

## SUMMARY OF CHANGES IN INVESTMENT PORTFOLIO

JUNE 30, 2014
(IN THOUSANDS)
JUNE 30, 2013 BALANCE

| DESCRIPTION | PERCENT AT <br> FAIR VALUE | FAIR <br> VALUE | BOOK <br> VALUE | ACQUIRED | MATURED <br> AND SOLD | FAIR <br> VALUE | BOOK <br> VALUE | PERCENTAT <br> FAIR VALUE |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| U.S. Equity | $18.61 \%$ | 256,644 | 208,838 | 187,489 | 193,489 | 263,440 | 202,838 | $17.15 \%$ |
| Non U. S. Equity | $14.37 \%$ | 198,214 | 183,468 | 90,775 | 89,354 | 222,571 | 184,889 | $14.49 \%$ |
| GTAA | $8.74 \%$ | 120,617 | 99,720 | 28,404 | 14,175 | 145,911 | 113,949 | $9.50 \%$ |
| Fixed Income | $11.32 \%$ | 156,186 | 140,226 | 35,767 | 43,065 | 150,884 | 132,928 | $9.83 \%$ |
| Absolute Return | $4.20 \%$ | 57,963 | 46,098 | 2,506 | 3,636 | 62,603 | 44,968 | $4.08 \%$ |
| Credit Opportunities | $9.22 \%$ | 127,251 | 118,225 | 49,621 | 31,898 | 140,606 | 135,948 | $9.16 \%$ |
| Private Equity | $11.60 \%$ | 160,061 | 139,871 | 40,458 | 17,774 | 212,873 | 162,555 | $13.86 \%$ |
| Real Assets | $6.50 \%$ | 89,688 | 82,914 | 36,574 | 23,699 | 109,380 | 95,789 | $7.12 \%$ |
| Real Estate | $13.16 \%$ | 181,577 | 201,153 | 48,076 | 67,251 | 171,945 | 181,978 | $11.20 \%$ |
| Risk Parity | $2.28 \%$ | 31,424 | 31,299 | 36,041 | 16,307 | 55,473 | 51,033 | $3.61 \%$ |
| Total Portfolio | $100.00 \%$ | $1,379,625$ | $1,251,812$ | 555,711 | 500,648 | $1,535,686$ | $1,306,875$ | $100.00 \%$ |

SCHEDULE OF COMMISSIONS PAID TO BROKERS
YEAR ENDED JUNE 30, 2014

| BROKER | NUMBER OF <br> SHARES TRADED | AVERAGE <br> COMMISSION | TOTAL <br> COMMISSIONS |
| :--- | ---: | ---: | ---: |
| ABEL NOSER CORP, NEW YORK | 2,763 | 0.0300 | 83 |
| AQUA SECURITIES LP, NEW YORK | 1,286 | 0.0200 | 26 |
| B.RILEY \& CO.,LLC, LOS ANGELES | 9,226 | 0.0364 | 336 |
| BAIRD, ROBERT W \& CO INC, MILWAUKEE | 133,730 | 0.0331 | 4,420 |
| BANCO BTG PACTUAL SA, RIO DE JANEIRO | 56,379 | 0.0227 | 1,278 |
| BANCO ITAU, SAO PAULO | 130,015 | 0.0126 | 1,634 |
| BANCO SANTANDER, NEW YORK | 36,597 | 0.0019 | 69 |
| BANQUE PARIBAS, PARIS | 8,286 | 0.0746 | 618 |
| BARCLAYS BK PLC, NEW YORK | 17,274 | 0.0241 | 416 |
| BARCLAYS CAPITAL INC./LE, NEW JERSEY | 79 | 0.0115 | 1 |


| BROKER | NUMBER OF SHARES TRADED | AVERAGE COMMISSION | $\begin{array}{r} \text { TOTAL } \\ \text { COMMISSIONS } \end{array}$ |
| :---: | :---: | :---: | :---: |
| BARCLAYS CAPITAL LE, JERSEY CITY | 24,757 | 0.0135 | 333 |
| BARCLAYS CAPITAL, LONDON (BARCGB33) | 3,632 | 0.0031 | 11 |
| BARRINGTON RESEARCH ASSOCIATES, BROOKLYN | 9,302 | 0.0376 | 349 |
| BB\&T SECURITIES, LLC, RICHMOND | 38,556 | 0.0333 | 1,285 |
| BENCHMARK COMPANY LLC, BROOKLYN | 142 | 0.0100 | 1 |
| BERNSTEIN SANFORD C \& CO, NEW YORK | 69,390 | 0.0200 | 1,388 |
| BLOOMBERG TRADEBOOK LLC, NEW YORK | 151,910 | 0.0200 | 3,038 |
| BMO CAPITAL MARKETS CORP, NEW YORK | 15,353 | 0.0312 | 479 |
| BNP PARIBAS BKRGE (INT), KING OF PRUSSIA | 8,161 | 0.0143 | 117 |
| BNP PARIBAS PRIME BRKRGE INC,NEW YORK | 330 | 0.2211 | 73 |
| BNY CONVERGEX, NEW YORK | 2,852 | 0.0150 | 43 |
| BTIG LLC, SAN FRANCISCO | 124,753 | 0.0189 | 2,359 |
| BURKE \& QUICK PARTNERS LLC, JERSEY CITY | 9,851 | 0.0306 | 301 |
| CANACCORD GENUITY INC.NEY YORK | 54,532 | 0.0260 | 1,420 |
| CANTOR CLEARING SERV, NEW YORK | 1,476 | 0.0100 | 15 |
| CANTOR FITZGERALD \& CO INC, NEW YORK | 138,874 | 0.0158 | 2,200 |
| CAPITAL ONE SOUTHCOAST INC, NEW ORLEANS | 7,738 | 0.0460 | 356 |
| CITIGROUP GBL MKTS AUSTRALIA PTY, SYDNEY | 3,142 | 0.0035 | 11 |
| CITIGROUP GBL MKTS INC, NEW YORK | 18,561 | 0.0192 | 357 |
| CITIGROUP GBL MKTS/SALOMON, NEW YORK | 107,748 | 0.0037 | 395 |
| CITIGROUP GLOBAL MARKETS LTD, LONDON | 26,587 | 0.0042 | 111 |
| CJS SECURITIES INC, JERSEY CITY | 4,646 | 0.0366 | 170 |
| COMPASS POINT RESEARCH \& TR, JERSEY CITY | 65,152 | 0.0252 | 1,644 |
| COWEN AND COMPANY LLC, NEW YORK | 25,403 | 0.0271 | 688 |
| CRAIG HALLUM, MINNEAPOLIS | 106,235 | 0.0317 | 3,371 |
| CREDIT LYONNAIS SECS (ASIA), HONG KONG | 57,084 | 0.0029 | 164 |
| CREDIT LYONNAIS SECS, SINGAPORE | 394,817 | 0.0019 | 735 |
| (REDIT RESEARCH \& TRADING LLC, JERSEY | 6,230 | 0.0354 | 220 |
| CREDIT SUISSE (EUROPE), LONDON | 10,754 | 0.0060 | 65 |
| CREDIT SUISSE (EUROPE), SEOUL | 38,646 | 0.0390 | 1,508 |
| CREDIT SUISSE AUSTRALIA EQ, MELBOURNE | 3,191 | 0.0017 | 6 |
| CREDIT SUISSE, NEW YORK (CSUS) | 3,058,157 | 0.0016 | 4,810 |
| CREDIT SUISSE, SAO PAULO | 250,769 | 0.0041 | 1,040 |
| CREDIT SUISSE, TAIPEI | 1,872,699 | 0.0008 | 1,555 |
| DAVIDSON(D A) \& CO INC, NEW YORK | 2,980 | 0.0207 | 62 |
| DEUTSCHE BK SECS INC, NY (NWSCUS33) | 3,351,904 | 0.0050 | 16,788 |
| DOUGHERTY COMPANY, BROOKLYN | 42,584 | 0.0303 | 1,288 |
| EVERCORE GROUP LLC, JERSEY CITY | 5,066 | 0.0390 | 197 |
| FBR CAPITAL MARKETS \& CO, ARLINGTON | 3,899 | 0.0309 | 120 |
| FIG PARTNERS LLC, ATLANTA | 43,189 | 0.0323 | 1,393 |
| FIRST ANALYSIS SECS CORP, CHICAGO | 7,768 | 0.0500 | 388 |
| GBM BRASIL DTVM SA, RIO DE JANEIRO | 32,704 | 0.0233 | 763 |
| GLOBAL HUNTER SECURITIES LTD,JERSEY | 3,556 | 0.0363 | 129 |
| GOLDMAN SACHS \& CO, NY | 306,132 | 0.0323 | 9,875 |


| BROKER | NUMBER OF SHARES TRADED | AVERAGE COMMISSION | $\begin{array}{r} \text { TOTAL } \\ \text { COMMISSIONS } \end{array}$ |
| :---: | :---: | :---: | :---: |
| GOLDMAN SACHS (ASIA) LLC, TAIPEI | 494,297 | 0.0034 | 1,696 |
| GOLDMAN SACHS EXECUTION \& CLEARING, NY | 21,806 | 0.0171 | 373 |
| GOLDMAN SACHS INTL, LONDON (GSILGB2X) | 238,153 | 0.0059 | 1,404 |
| GOODBODY STOCKBROKERS, DUBLIN | 389 | 0.0070 | 3 |
| G-TRADE SERVICES LTD, HAMILTON | 2,952 | 0.0014 | 4 |
| GUGGENHEIM CAPITAL MKT LLC, JERSEY CITY | 4,470 | 0.0500 | 224 |
| HONG KONG \& SHANGHAI BKG CORP, AUCKLAND | 1,390 | 0.0024 | 3 |
| HSBC BANK AUSTRALIA LTD, SYDNEY | 215,921 | 0.0008 | 183 |
| HSBC BANK PLC (MIDLAND BK)(JAC), LONDON | 701,578 | 0.0042 | 2,924 |
| INSTINET CORP, NEW YORK | 132,590 | 0.0161 | 2,128 |
| InSTINET CORP, NY | 23,369 | 0.0270 | 632 |
| INSTINET EUROPE LIMITED, LONDON | 1,354,573 | 0.0057 | 7,657 |
| INVESTEC SECURITIES (331), LONDON | 199,185 | 0.0147 | 2,928 |
| INVESTMENT TECHNOLOGY GROUP LTD,DUBLIN | 735,284 | 0.0050 | 3,696 |
| INVESTMENT TECHNOLOGY GROUP, NEW YORK | 52,725 | 0.0113 | 594 |
| ISI GROUP INC, NY | 528,855 | 0.0103 | 5,470 |
| ITAU USA SECURITIES INC, NEW YORK | 409,654 | 0.0028 | 1,142 |
| ITG AUSTRALIA LTD, MELBOURNE | 16,884 | 0.1213 | 2,048 |
| ITG CANADA CORP, TORONTO | 43,605 | 0.0118 | 513 |
| ITG HONG KONG LIMITED, HONG KONG | 2,262,473 | 0.0007 | 1,512 |
| ITG INC, NY | 5,081 | 0.0174 | 89 |
| JP MORGAN SECS LTD, LONDON | 48,480 | 0.0450 | 2,184 |
| J P MORGAN SECURITIES INC, BROOKLYN | 13,183 | 0.0143 | 188 |
| J.P. MORGAN CLEARING CORP, NEW YORK | 141,215 | 0.0151 | 2,134 |
| JANNEY MONTGOMERY SCOTT, PHILADELPHIA | 4,505 | 0.0500 | 225 |
| JEFFERIES \& CO INC, NEW YORK | 110,714 | 0.0229 | 2,539 |
| JEFFERIES \& CO LTD, LONDON | 6,295 | 0.0023 | 15 |
| JMP SECURITIES, SAN FRANCISCO | 20,981 | 0.0339 | 710 |
| JOHNSON RICE \& CO, NEW ORLEANS | 9,978 | 0.0379 | 378 |
| JONESTRADING INSTL SVCS LLC, WESTLAKE | 157,420 | 0.0164 | 2,586 |
| JPMORGAN SECURITIES INC, NEW YORK | 1,132,878 | 0.0002 | 174 |
| KEEFE BRUYETTE AND WOODS, JERSEY CITY | 74,758 | 0.0314 | 2,346 |
| KEYBANC CAPITAL MARKETS INC, NEW YORK | 123,932 | 0.0362 | 4,485 |
| KING (CL) \& ASSOCIATES, ALBANY | 3,466 | 0.0210 | 73 |
| KNIGHT DIRECT LLC, JERSEY CITY | 2,735 | 0.0133 | 36 |
| KNIGHT EQUITY MARKETS L.P.JERSEY CITY | 342,104 | 0.0168 | 5,742 |
| LEERINK SWANN \& CO, JERSEY CITY | 3,514 | 0.0314 | 110 |
| LEK SECURITIES CORP, NEW YORK | 43,707 | 0.0188 | 824 |
| LIQUIDNET INC, BROOKLYN | 203,902 | 0.0191 | 3,889 |
| LOOP CAPITAL MARKETS, JERSEY CITY | 3,513 | 0.0105 | 37 |
| MACQUARIE BANK LIMITED, SYDNEY | 9,066 | 0.0006 | 5 |
| MACQUARIE BANK LTD, HONG KONG | 7,674 | 0.0022 | 17 |
| MACQUARIE CAPITAL (USA) INC., NEW YORK | 81,448 | 0.0085 | 692 |
| MACQUARIE EQUITIES LTD, SYDNEY | 8,436 | 0.0075 | 63 |


| BROKER | NUMBER OF SHARES TRADED | AVERAGE COMMISSION | $\begin{array}{r} \text { TOTAL } \\ \text { COMMISSIONS } \end{array}$ |
| :---: | :---: | :---: | :---: |
| MACQUARIE SECURITIES LTD, AUCKLAND | 2,453 | 0.0078 | 19 |
| MAINFIRST BANK AG,FRANKFURT AM MAIN | 21,919 | 0.1756 | 3,848 |
| MERIDIAN EQUITY PARTNERS, NEW YORK | 39,849 | 0.0237 | 946 |
| MERRILL LYNCH CANADA (MLCT), TORONTO | 2,105 | 0.0121 | 26 |
| MERRILL LYNCH INTL (KSI), LONDON | 125,502 | 0.0383 | 4,810 |
| MERRILL LYNCH INTL LONDON EQUITIES | 357,810 | 0.0056 | 2,020 |
| MERRILL LYNCH INTL LTD (IPB), LONDON | 39,896 | 0.0079 | 315 |
| MERRILL LYNCH PIERCE FENNER SMITH INC NY | 132,382 | 0.0136 | 1,801 |
| MERRILL LYNCH PIERCE FENNER, WILMINGTON | 78,304 | 0.0121 | 949 |
| MIZUHO SECURITIES USA, INC., NEW YORK | 326 | 0.0233 | 8 |
| MONTROSE SECURITIES EQ, SAN FRANCISCO | 1,200 | 0.0100 | 12 |
| MORGAN STANLEY \& COINC, NY | 8,927,315 | 0.0035 | 30,809 |
| MORGAN STANLEY \& CO INTL LTD, SEOUL | 7,669 | 0.0491 | 376 |
| MORGAN STANLEY HONG KONG SEC LTD | 76,616 | 0.0005 | 41 |
| MORGAN STANLEY SECURITIES LTD, LONDON | 161 | 0.0025 | 0 |
| MS SECS SVCS INC INTL, BROOKLYN | 7,726 | 0.0158 | 122 |
| NATIONAL FINL SVCS CORP, NEW YORK | 10,829 | 0.0379 | 410 |
| NEEDHAM \& CO, NEW YORK | 17,731 | 0.0297 | 527 |
| NEWEDGE USA LLC, NEW YORK | 20 | 21.6909 | 427 |
| NOBLE INTL INVESTMENTS INC, JERSEY CITY | 5,219 | 0.0315 | 164 |
| NORTHLAND SECS INC, JERSEY CITY | 30,199 | 0.0298 | 901 |
| NUMIS SECURITIES INC., NEW YORK | 135,478 | 0.0212 | 2,867 |
| ODDO ET CIE, PARIS | 9,241 | 0.0935 | 864 |
| OPPENHEIMER \& CO INC, NEW YORK | 54,162 | 0.0358 | 1,939 |
| PACIFIC CREST SECURITIES, PORTLAND | 25,616 | 0.0339 | 869 |
| PERSHING LLC, JERSEY CITY | 48,353 | 0.0281 | 1,360 |
| PICKERING ENERGY PARTNERS, HOUSTON | 1,844 | 0.0494 | 91 |
| PIPER JAFFRAY \& CO, MINNEAPOLIS | 45,040 | 0.0304 | 1,370 |
| PULSE TRADING LLC, BOSTON | 457,796 | 0.0298 | 13,643 |
| RAYMOND JAMES \& ASSOC INC, ST PETERSBURG | 57,563 | 0.0263 | 1,513 |
| RBC CAPITAL MARKETS LLC, NEW YORK | 2,022,217 | 0.0051 | 10,367 |
| RBC DOMINION SECS INC, TORONTO (DOMA) | 22,078 | 0.0124 | 274 |
| ROTH CAPITAL PARTNERS LLC, IRVINE | 24,584 | 0.0282 | 692 |
| SANDLER O'NEILL \& PARTNERS, NEW YORK | 110,595 | 0.0250 | 2,769 |
| SANFORD C. BERNSTEIN \& CO, WHITE PLAINS | 1,944 | 0.0186 | 36 |
| SCOTIA CAPITAL (USA) INC, NEW YORK | 10,062 | 0.0449 | 451 |
| SG AMERICAS SECURITIES LLC, NEW YORK | 80,301 | 0.0185 | 1,488 |
| SG SEC (LONDON) LTD, LONDON | 2,995 | 0.0048 | 14 |
| SIDOTI \& CO LLC, NEW YORK | 41,749 | 0.0334 | 1,396 |
| SIS SEGAINTERSETTLE AG, ZURICH | 21,998 | 0.0952 | 2,095 |
| STATE STREET BROKERAGE SVCS, BOSTON | 76,374 | 0.0308 | 2,350 |
| STEPHENS INC, LITTLE ROCK | 80,166 | 0.0362 | 2,898 |
| STERNE AGEE \& LEACH INC | 12,205 | 0.0347 | 423 |
| STIFEL NICOLAUS | 295,497 | 0.0090 | 2,671 |

NUMBER OF
SHARES TRADED

AVERAGE COMMISSION

TOTAL
COMMISSIONS

| BROKER | SHARES TRADED | COMMISSION | COMMISSIONS |
| :--- | ---: | ---: | ---: |
| SUNTRUST CAPITAL MARKETS INC, ATLANTA | 2,726 | 0.0452 | 123 |
| UBS EQUITIES, LONDON | 38,537 | 0.0050 | 193 |
| UBS SECURITIES LLC, STAMFORD | 88,912 | 0.0222 | 1,971 |
| UBS WARBURG ASIA LTD, HONG KONG | 111,000 | 0.0025 | 279 |
| UBS WARBURG AUSTRALIA EQUITIES, SYDNEY | 82,170 | 0.0082 | 671 |
| UBS WARBURG, LONDON | 25,813 | 0.0028 | 73 |
| WEDBUSH MORGAN SECS INC, LOS ANGELES | 4,886 | 0.0375 | 183 |
| WEEDEN \& CO, NEW YORK | 164,553 | 0.0240 | 3,950 |
| WELLS FARGO SECURITIES LLC, CHARLOTTE | 6,083 | 0.0114 | 70 |
| WILLIAM BLAIR \& CO, CHICAGO | 42,885 | 0.0316 | 1,357 |
| WUNDERLICH SECURITIES INC, MEMPHIS | 16,039 | 0.0377 | 605 |
| TOTAL COMMISSIONS | $\mathbf{3 5 , 0 1 2 , 6 7 8}$ | $\mathbf{0 . 0 0 7 0}$ | $\mathbf{2 4 5 , 6 2 3}$ |

U.S. EQUITY PORTFOLIO

YEAR ENDED JUNE 30, 2014

| SHARES | DESCRIPTION | COST | FAIR VALUE | UNREALIZED <br> GAIN (LOSS) |
| ---: | :--- | ---: | ---: | ---: |
| 568,548 | ACADIAN US MANAGED | $23,301,148$ | $26,588,573$ | $3,287,425$ |
| 7,378 | AZ GDH 115-65 | $1,458,131$ | $1,674,955$ | 216,824 |
| 100,256 | AZ GDH 140-40 | $3,361,331$ | $3,628,744$ | 267,413 |
| 34,883 | AZ GHVS 115-65 | $1,558,783$ | $1,702,726$ | 143,943 |
| 89,600 | AZ GHVS 140-40 | $3,455,653$ | $3,769,797$ | 314,144 |
| $34,350,513$ | CRESTLINE ALPHA | $29,516,113$ | $34,350,514$ | $4,834,401$ |
| 538,124 | EAGLE SMALL CAP ST | $12,445,939$ | $16,968,670$ | $4,522,731$ |
| 145,329 | FRONTPOINT ALPHA | 156,987 | 145,329 | $(11,658)$ |
| 350,848 | GOTHAM INSTL SELECT | $11,118,447$ | $11,868,166$ | 749,719 |
| 321,151 | GOTHAM VALUE 1000 | $10,563,278$ | $11,575,011$ | $1,011,733$ |
| 114,521 | GOTHAM VALUE 2000 | $2,410,562$ | $2,600,307$ | 189,745 |
| 308,645 | RANGER SMALL CAP | $8,863,822$ | $11,248,887$ | $2,385,065$ |
| $14,734,984$ | SOUTHPOINT | $11,806,445$ | $14,734,984$ | $2,928,539$ |
| 341 | SSGA BETA | 0 | 546,281 | 546,281 |
| $2,086,681$ | STATE STREET US EQTY | $67,342,478$ | $103,764,987$ | $36,422,509$ |
| $1,385,368$ | THB MICRO CAP | $11,403,195$ | $13,733,478$ | $2,330,283$ |
| 138,726 | THB SMALL CAP VAL | $4,075,876$ | $4,538,188$ | 462,312 |
| $\mathbf{5 5 , 2 7 5 , 8 9 6}$ | TOTAL US EQUITY PORTFOLIO | $\mathbf{2 0 2 , 8 3 8 , 1 8 8}$ | $\mathbf{2 6 3 , 4 3 9 , 5 9 7}$ | $\mathbf{6 0 , 6 0 1 , 4 0 9}$ |

NON-U.S. EQUITY PORTFOLIO
YEAR ENDED JUNE 30, 2014

| SHARES | DESCRIPTION | COST | FAIR VALUE | UNREALIZED <br> GAIN (LOSS) |
| ---: | :--- | ---: | ---: | ---: |
| $1,331,838$ | BLKRK FRONTIER FUND | $5,903,611$ | $11,211,955$ | $5,308,344$ |
| $15,617,053$ | ESG CBE | $14,758,056$ | $15,617,053$ | 858,997 |
| $1,306,783$ | GOTHAM 400 INTL | $7,505,868$ | $8,200,001$ | 694,133 |
| 879,386 | GOTHAM INSTL INTL | $7,028,934$ | $7,831,202$ | 802,268 |
| 139,449 | INTL EQUITY FUNDS | $6,540,264$ | $\mathbf{7 , 1 3 0 , 0 6 1}$ | 589,797 |
| $5,897,285$ | SEG BAXTER STREET | $18,588,073$ | $\mathbf{1 9 , 0 8 8 , 2 9 0}$ | 500,217 |
| $24,129,267$ | STATE STREET INTL EQ | $124,563,766$ | $\mathbf{1 5 3 , 4 9 2 , 5 6 9}$ | $\mathbf{2 8 , 9 2 8 , 8 0 3}$ |
| $\mathbf{4 9 , 3 0 1 , 0 6 1}$ | TOTAL NON-US EQUITY PORTFOLIO | $\mathbf{1 8 4 , \mathbf { 8 8 8 } , 5 7 2}$ | $\mathbf{2 2 2 , 5 7 1 , 1 3 1}$ | $\mathbf{3 7 , 6 8 2 , 5 5 9}$ |


| PAR VALUE | DESCRIPTION | COUPON RATE | MATURITY | COST | FAIR VALUE |
| :---: | :---: | :---: | :---: | :---: | :---: |
| U.S. GOVERNMENT SECURITIES |  |  |  |  |  |
| 119,636 | FHLMC P00L\#H1-0069 | 6.00\% | 11/01/2036 | 119,746 | 133,741 |
| 125,499 | FHLMC POOL \#H1-5010 | 6.00\% | 11/01/2036 | 125,610 | 140,208 |
| 1,967,741 | FHLMC MULTICLASS MTG 3561 B | 4.00\% | 08/15/2029 | 1,947,717 | 2,072,189 |
| 1,967,741 | FHLMC MULTICLASS MTG 3740 KD | 4.00\% | 11/15/2038 | 1,927,208 | 2,063,196 |
| 1,276,233 | FHLMC MULTICLASS MTG 4012 MW | 3.50\% | 03/15/2042 | 1,282,152 | 1,317,583 |
| 5,456,850 | TOTAL US GOVERNMENT SECURITIES |  |  | 5,402,433 | 5,726,917 |
| PAR VALUE | DESCRIPTION | COUPON RATE | MATURITY | COST | FAIR VALUE |
| CORPORATE BONDS |  |  |  |  |  |
| 469,914 | ACA ABS 2006-1 LTD 1A A3L 144A | 1.78\% | 06/10/2041 | 163,167 | 5 |
| 379,380 | ASSOCIATES CORP OF NORTH AMERI | 6.95\% | 11/01/2018 | 366,156 | 453,071 |
| 983,870 | AUSTRALIA \& NEW ZEALAND B 144A | 4.88\% | 01/12/2021 | 1,007,129 | 1,108,842 |
| 37,406 | AUTO BD RECEIVABLES TR 94-A | 6.40\% | 04/15/2009 | 37,406 | 0 |
| 393,548 | BANK ONE CORP | 8.00\% | 04/29/2027 | 387,368 | 531,872 |
| 590,322 | BASSDRILL BETA LTD | 8.50\% | 04/24/2018 | 599,124 | 599,124 |
| 2,415,946 | BGI CORE ACTIVE BOND FUND | 0.00\% | 01/00/1900 | 48,625,708 | 58,780,888 |
| 14,765,372 | BLACKROCK FIXED INCOME GLOBAL | 0.00\% | 01/00/1900 | 14,758,057 | 14,765,371 |
| 486,439 | CAPITAL GUARDIAN EMERGING | 0.00\% | 01/00/1900 | 6,279,933 | 7,525,218 |
| 2,437,106 | CBO HLDGS III 04-3 CL A 144A | 1.00\% | 06/01/2019 | 2,430,101 | 2,430,101 |
| 1,847,033 | CBO HLDGS III 1A 04-1 C-2 144A | 7.00\% | 02/10/2038 | 1,917,223 | 1,917,223 |
| 983,870 | CHICAGO PARKING METERS LL 144A | 5.49\% | 12/30/2020 | 1,069,344 | 1,069,339 |
| 885,483 | CHLOE MARINE CORP LTD | 12.00\% | 12/28/2016 | 948,450 | 962,963 |
| 168,439 | CONAGRA FOODS INC | 9.75\% | 03/01/2021 | 185,380 | 219,700 |
| 295,161 | CON-WAY INC | 6.70\% | 05/01/2034 | 256,196 | 325,090 |
| 10,908,625 | FRANKLIN TEMPLETON EMD | 0.00\% | 01/00/1900 | 8,744,197 | 10,908,625 |
| 590,322 | GENERAL ELECTRIC CAPITAL CORP | 0.49\% | 08/07/2018 | 552,348 | 584,266 |
| 983,870 | GILEAD SCIENCES INC | 4.50\% | 04/01/2021 | 996,462 | 1,092,618 |
| 905,161 | GLBL INVESTMNT GRP FNCE | 11.00\% | 09/24/2017 | 837,550 | 916,475 |
| 12,242,693 | GOLDENTREE HIGH YIELD VALUE | 0.00\% | 01/00/1900 | 9,838,704 | 12,242,693 |
| 688,709 | GOLDMAN SACHS GROUP INC/THE | 6.75\% | 10/01/2037 | 719,580 | 828,538 |
| 237 | GRACIE INTERNATIONAL CREDIT | 0.00\% | 01/00/1900 | 491,935 | 476,658 |
| 1,279,032 | HSBC FINANCE CORP | 0.66\% | 06/01/2016 | 1,243,418 | 1,279,390 |
| 16,060,886 | IGUAZU PARTNERS LP | 0.00\% | 01/00/1900 | 13,774,187 | 16,060,886 |
| 13,731 | JP MORGAN MBS SERI R2 3A1 144A | 4.85\% | 04/28/2026 | 13,855 | 13,817 |
| 787,096 | MARINE ACCURATE WELL | 9.50\% | 04/03/2018 | 822,223 | 822,516 |
| 29,612 | MORGAN STANLEY ABS CAPI NC1 M2 | 2.48\% | 12/27/2033 | 26,288 | 29,328 |
| 25,030 | MORGAN STANLEY ABS CAPI NC2 M2 | 1.96\% | 12/25/2033 | 21,471 | 20,333 |
| 237,399 | NORTH STREET REFE 3A CTFS 144A | 3.99\% | 04/30/2031 | 216,546 | 216,546 |
| 983,870 | NORTH STREET REFE 3A NOTE 144A | 1.24\% | 04/30/2031 | 377,719 | 167,779 |


| PAR VALUE | DESCRIPTION | COUPON RATE | MATURITY | COST | FAIR VALUE |
| :---: | :--- | :---: | ---: | ---: | ---: |
| CORPORATE BONDS |  |  |  |  |  |
| 826,451 | OCEANTEAM SHIPPING ASA | $11.48 \%$ | $10 / 24 / 2017$ | 859,169 | 859,169 |
| 669,032 | ONEOK PARTNERS LP | $6.65 \%$ | $10 / 01 / 2036$ | 729,848 | 823,404 |
| 688,709 | PROTECTIVE LIFE CORP | $8.45 \%$ | $10 / 15 / 2039$ | 783,634 | $1,002,823$ |
| 787,096 | SANTA MARIA OFFSHORE LTD | $8.88 \%$ | $07 / 03 / 2018$ | 823,398 | 838,258 |
| $1,180,645$ | SECURITY MUTUAL LIFE CO OF NEW | $9.38 \%$ | $12 / 15 / 2016$ | $1,200,497$ | $1,200,497$ |
| $2,558,063$ | SKYWAY CONCESSION CO LLC 144A | $0.61 \%$ | $06 / 30 / 2026$ | $1,948,722$ | $2,008,080$ |
| $1,967,741$ | TRAINER WORTHAM FI 2A A3L 144A | $1.98 \%$ | $04 / 10 / 2037$ | $\mathbf{1 , 4 5 2 , 4 5 2}$ | 20 |
| 931,710 | TRI-COMMAND MILITARY HOUS 144A | $5.38 \%$ | $02 / 15 / 2048$ | 838,005 | 825,858 |
| 393,548 | UNITED UTILITIES PLC | $4.55 \%$ | $06 / 19 / 2018$ | 375,853 | 417,547 |
| 393,548 | WACHOVIA CORP | $0.50 \%$ | $06 / 15 / 2017$ | 380,004 | 393,009 |
| 373,871 | WESTERN GROUP HOUSING LP 144A | $6.75 \%$ | $03 / 15 / 2057$ | 426,503 | 439,451 |
| $\mathbf{8 3 , 6 4 5 , 9 7 6}$ | TOTAL US CORPORATE BONDS |  |  | $\mathbf{1 2 7 , 5 2 5 , 3 1 0}$ | $\mathbf{1 4 5 , 1 5 7 , 3 9 1}$ |
|  |  |  |  | $\mathbf{1 3 2 , 9 2 7 , 7 4 3}$ | $\mathbf{1 5 0 , 8 8 4 , 3 0 8}$ |
| $\mathbf{8 9 , 1 0 2 , 8 2 6}$ | TOTAL FIXED INCOME PORTFOLIO |  |  |  |  |

## CREDIT OPPORTUNITIES PORTFOLIO

YEAR ENDED JUNE 30, 2014

| DESCRIPTION | COST | FAIR VALUE | UNREALIZED <br> GAIN (LOSS) |
| :--- | ---: | ---: | ---: |
| APOLLO EUR PRIN FIN | $12,342,462$ | $10,705,116$ | $(1,637,346)$ |
| CASTLE CREEK TARP | $4,890,318$ | $4,989,554$ | 99,236 |
| CENTERBRIDGE SC I | 0 | $3,412,379$ | $3,412,379$ |
| CENTERBRIDGE SC II | $5,532,040$ | $6,526,574$ | 994,534 |
| CREDIT OPPS PUBLIC | $21,159,882$ | $21,803,991$ | 644,109 |
| CRESTLINE OPP FD II | $1,634,453$ | $1,507,468$ | $(126,985)$ |
| EJF DEBT OPPS FUND | $7,870,963$ | $12,587,502$ | $4,716,539$ |
| ESG CME FUND | $14,758,056$ | $9,224,566$ | $(5,533,490)$ |
| OHA STRATEGIC CREDIT | 982,058 | $2,336,176$ | $1,354,118$ |
| PAG ASIA OPP FUND | $7,870,963$ | $9,603,353$ | $1,732,390$ |
| PAG SPEC SITUATIONS | $3,609,010$ | $4,059,659$ | 450,649 |
| PNMAC MORTG OPP | $25,580,631$ | $19,987,017$ | $(5,593,614)$ |
| SJC DIR LENDING II | $3,509,004$ | $3,406,813$ | $(102,191)$ |
| SJC DIRECT LENDING | $4,048,497$ | $3,958,353$ | $(90,144)$ |
| STARK ABS OPPS | 122,663 | 134,873 | 12,210 |
| TPG OPPS II | $13,371,387$ | $16,896,716$ | $3,525,329$ |
| TPG OPPS III | 794,900 | 767,540 | $(27,360)$ |
| WEST FACE LT OPPS | $7,870,964$ | $8,698,661$ | 827,697 |
| TOTAL CREDIT OPPORTUNITIES PORTFOLIO | $\mathbf{1 3 5 , 9 4 8 , 2 5 1}$ | $\mathbf{1 4 0 , 6 0 6}$ |  |


| DESCRIPTION | COST | FAIR VALUE | $\begin{aligned} & \text { UNREALIZED } \\ & \text { GAIN (LOSS) } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| ABRY PARTNERS V | 1,995,768 | 1,194,472 | (801,296) |
| APOLLO INV FD VII | 5,907,245 | 9,695,120 | 3,787,875 |
| AVALON VENTURES IX | 2,949,366 | 3,456,659 | 507,293 |
| avalon ventures X | 1,329,712 | 1,371,511 | 41,799 |
| BARING ASIA PEV | 3,912,099 | 4,347,208 | 435,109 |
| BERKSHIRE PARTN VIII | 1,322,061 | 1,419,818 | 97,757 |
| BCP V | 2,866,830 | 3,923,511 | 1,056,681 |
| CASTLE CREEKV | 2,686,719 | 2,758,458 | 71,739 |
| CASTLE CREEK IV | 9,294,024 | 16,673,689 | 7,379,665 |
| CENTERBRIDGE CPII | 8,134,135 | 8,516,912 | 382,777 |
| CHARLESBANKVII | 3,755,952 | 5,887,800 | 2,131,848 |
| CORTECV | 3,340,355 | 3,939,785 | 599,430 |
| PROSPECTOREQ CAP | 103,003 | 124,572 | 21,569 |
| DAG IICO-INV | 3,453,812 | 1,526,241 | $(1,927,571)$ |
| DAG VENTURES II | 1,027,391 | 821,032 | (206,359) |
| DAG III CO-INV | 16,430 | 8,492,953 | 8,476,523 |
| DAG VENTURES III | 2,227,035 | 4,040,732 | 1,813,697 |
| DAG IV CO-INV | 4,274,486 | 7,378,955 | 3,104,469 |
| DAG IV DIRECT | 4,818,442 | 5,946,377 | 1,127,935 |
| DAG V COINV | 787,096 | 786,188 | (908) |
| DAG V DIRECT | 1,585,901 | 2,743,280 | 1,157,379 |
| DFJ MERCURY II | 2,920,305 | 3,473,058 | 552,753 |
| DRUG RYLTY IICO-INV | 1,397,700 | 1,477,533 | 79,833 |
| DRUG RYLTY II DIRECT | 2,430,385 | 3,220,598 | 790,213 |
| EQTVI | 3,227,920 | 3,672,915 | 444,995 |
| INSIGHT EQUITY II | 6,752,161 | 8,380,117 | 1,627,956 |
| INSIGHT MEZZANINEI | 275,686 | 301,178 | 25,492 |
| JMI EQUITY FUND VII | 3,207,653 | 3,207,670 | 17 |
| KKR ASIA FUND II | 1,230,077 | 1,227,379 | $(2,698)$ |
| LADDER | 4,465,899 | 5,955,258 | 1,489,359 |
| LITTLEOHN FUND IV | 5,673,541 | 8,523,236 | 2,849,695 |
| LITTLEOHN IV COINV | 641,523 | 1,628,256 | 986,733 |
| LONGWORTH VP III | 2,195,999 | 2,804,243 | 608,244 |
| MADRONA VENTURES V | 250,395 | 256,618 | 6,223 |
| DFJ MERCURY III | 259,742 | 201,369 | $(58,373)$ |
| MESIROW FINANCIAL | 3,129,884 | 2,095,184 | $(1,034,700)$ |
| MIDOCEAN CO-INV | 1,149,249 | 1,670,041 | 520,792 |
| MIDOCEAN PTNS | 5,858,633 | 7,326,463 | 1,467,830 |
| MILLENNIUM TV II | 2,361,289 | 2,315,264 | $(46,025)$ |
| SP TRIDENTV COINV | 874,196 | 1,332,941 | 458,745 |


| DESCRIPTION | COST | FAIR VALUE | UNREALIZED <br> GAIN(LOSS) |
| :--- | ---: | ---: | ---: |
| OAKTREE EPF III | $5,660,881$ | $6,718,353$ | $1,057,472$ |
| PATRIA BRAZIL IV | 615,268 | 852,238 | 236,970 |
| PENINSULA EQ PTNS | 839,466 | 778,945 | $(60,521)$ |
| STEPSTONE SECONDARY | $10,322,415$ | $13,428,130$ | $3,105,715$ |
| STERLING GROUP III | $2,650,411$ | $3,431,506$ | 781,095 |
| TOWERBROOK III | $5,315,333$ | $7,257,972$ | $1,942,639$ |
| TOWERBROOK IV | 43,408 | 43,408 | 0 |
| SP TRIDENT FUND V | $6,016,326$ | $6,929,605$ | 913,279 |
| TRUSTBRIDGE PARTN IV | $4,170,218$ | $5,571,505$ | $1,401,287$ |
| VALLEY VENTURES III | $1,562,407$ | 569,872 | $(992,535)$ |
| VALLEY VENT III ANNX | 515,732 | 227,656 | $(288,076)$ |
| VISTA EQUITY FUND IV | $8,224,578$ | $9,537,240$ | $\mathbf{1 , 3 1 2 , 6 6 2}$ |
| VIVO VENTURES VII | $2,528,025$ | $3,411,728$ | 883,703 |
| TOTAL PRIVATE EQUITY PORTFOLIO | $\mathbf{1 6 2 , 5 5 4 , 5 6 7}$ | $\mathbf{2 1 2 , 8 7 2 , 7 5 2}$ | $\mathbf{5 0 , 3 1 8 , 1 8 5}$ |

## ABSOLUTE RETURN PORTFOLIO

YEAR ENDED JUNE 30, 2014

| DESCRIPTION | COST | FAIR VALUE | UNREALIZED <br> GAIN (LOSS) |
| :--- | ---: | ---: | ---: |
| DAVIDSON KEMPNER | $13,774,186$ | $16,889,355$ | $3,115,169$ |
| GSAM HF SEED 2011 | $9,127,292$ | $10,522,637$ | $1,395,345$ |
| LSV SPEC OPP FD IV | $3,094,648$ | $5,955,117$ | $2,860,469$ |
| LSV SPEC OPPS FD III | $\mathbf{1 , 1 5 2 , 7 1 4}$ | $5,242,179$ | $4,089,465$ |
| LUXOR CAP PARTNERS | $4,045,399$ | $5,026,583$ | 981,184 |
| OZ MASTER FUND | $\mathbf{1 3 , 7 7 4 , 1 8 6}$ | $\mathbf{1 8 , 9 6 7 , 5 2 0}$ | $5,193,334$ |
| TOTAL ABSOLUTE RETURN PORTFOLIO | $\mathbf{4 4 , 9 6 8 , 4 2 5}$ | $\mathbf{6 2 , 6 0 3 , 3 9 1}$ | $\mathbf{1 7 , 6 3 4 , 9 6 6}$ |


| DESCRIPTION | COST | FAIR VALUE | UNREALIZED <br> GAIN (LOSS) |
| :--- | ---: | ---: | ---: |
| ACTIS ENERGY 3 | 983,348 | 689,719 | $(293,629)$ |
| ALTERNA I | $4,757,380$ | $6,914,495$ | $2,157,115$ |
| ALTERNA II | 604,450 | 584,347 | $(20,103)$ |
| CONSERVATION FOREST | $3,008,237$ | $2,848,549$ | $(159,688)$ |
| CONSERVATN FOREST II | $4,589,464$ | $5,658,397$ | $1,068,933$ |
| DENHAM COMMODITY VI | $2,820,853$ | $3,557,695$ | 736,842 |
| EDESIA ALPHA FUND | $4,919,352$ | $5,170,863$ | 251,511 |
| EIF US POWER FUND IV | $3,225,306$ | $2,434,922$ | $(790,384)$ |
| ENCAP FUND IX | $1,044,259$ | $1,063,881$ | 19,622 |
| ENERGY RECAP FUND | $1,810,880$ | $2,334,605$ | 523,725 |
| FUNDAMENTAL PARTN II | $6,896,442$ | $8,271,644$ | $1,375,202$ |
| GEOSPHERE | 0 | 322,812 | 322,812 |
| JP MORGAN AIRRO FUND | $4,495,000$ | $5,436,083$ | 941,083 |
| JPM AIRRO SIDECAR | $4,500,059$ | $5,292,223$ | 792,164 |
| MAGNETAR LLC - COINV | 560,806 | 560,806 | 0 |
| MAGNETAR MTP ERGY FD | $15,741,927$ | $15,974,907$ | 232,980 |
| MCQURIE EUR INFR III | $3,746,207$ | $6,054,877$ | $2,308,670$ |
| MCQURIE INFRA PT II | $2,952,992$ | $3,773,051$ | 820,059 |
| ORG SECONDARY RA | $3,853,526$ | $5,339,282$ | $1,485,756$ |
| TAYLOR WOODS | $4,919,352$ | $5,307,108$ | 387,756 |
| TIPS AND RA | $18,197,794$ | $19,886,161$ | $1,688,367$ |
| TVEST CROSSOVER III | $2,161,415$ | $1,903,683$ | $(257,732)$ |
| TOTAL REAL ASSETS PORTFOLIO | $\mathbf{9 5 , 7 8 9 , 0 4 9}$ | $\mathbf{1 0 9 , 3 8 0 , 1 1 0}$ | $\mathbf{1 3 , 5 9 1 , 0 6 1}$ |

## GTAA SECURITIES PORTFOLIO

YEAR ENDED JUNE 30, 2014

| DESCRIPTION | COST | FAIR VALUE | UNREALIZED <br> GAIN (LOSS) |
| :--- | ---: | ---: | ---: |
| ALPHADYNE | $9,838,704$ | $9,239,888$ | $(598,816)$ |
| BLACKROCK GBL ASCENT | $11,248,226$ | $10,163,152$ | $(1,085,074)$ |
| BLUETREND FUND | $17,857,787$ | $18,912,621$ | $1,054,834$ |
| BREVAN HOWARD | $9,838,704$ | $9,401,291$ | $(437,413)$ |
| BRIDGEWATER GTAA | $30,730,146$ | $56,186,667$ | $25,456,521$ |
| BRIDGEWATER PAMM | $5,903,223$ | $7,071,513$ | $\mathbf{1 , 1 6 8 , 2 9 0}$ |
| DE SHAW MULTI ASSET | $28,532,242$ | $34,935,693$ | $\mathbf{6 , 4 0 3 , 4 5 1}$ |
| TOTAL GTAA SECURITIES PORTFOLIO | $\mathbf{1 1 3 , 9 4 9 , 0 3 2}$ | $\mathbf{1 4 5 , 9 1 0 , 8 2 5}$ | $\mathbf{3 1 , 9 6 1 , 7 9 3}$ |


| DESCRIPTION | COST | FAIR VALUE | UNREALIZED <br> GAIN(LOSS) |
| :--- | ---: | ---: | ---: |
| ALCION II | $2,942,226$ | $2,507,363$ | $(434,863)$ |
| ARES US REAL ESTATE | $7,399,172$ | $8,394,551$ | 995,379 |
| BREP VI | $9,683,685$ | $17,710,902$ | $8,027,217$ |
| CATALYST EURO | $6,459,893$ | $5,976,413$ | $(483,480)$ |
| CLEARBELL II | 792,162 | $1,027,217$ | 235,055 |
| CLSA FUDO CAP II | $4,593,539$ | $4,463,639$ | $(129,900)$ |
| DESERT TROON | $78,280,007$ | $58,611,522$ | $(19,668,485)$ |
| GREENFIELD VI | $5,084,380$ | $5,847,116$ | 762,736 |
| H2 CREDIT PARTNERS | $7,870,963$ | $10,414,276$ | $2,543,313$ |
| HARRISON ST RE | $5,722,653$ | $5,182,463$ | $(540,190)$ |
| HARRISON ST RE COINV | $1,299,669$ | $2,034,237$ | 734,568 |
| IRON POINT RE | $9,932,421$ | $13,301,805$ | $3,369,384$ |
| IRON POINT RE II | 904,298 | 967,276 | 62,978 |
| LUBERT ADLER FD VI B | $3,780,007$ | $4,775,770$ | 995,763 |
| MOUNT GRANGE | $3,759,652$ | $6,987,579$ | $3,227,927$ |
| ORG SECONDARY RE | $7,681,020$ | $9,099,049$ | $1,418,029$ |
| OWH BERKANA HLD | $8,724,109$ | $2,588,010$ | $(6,136,099)$ |
| PATRON IV | 710,279 | 859,609 | 149,330 |
| PEBBLECREEK | $7,487,254$ | $2,262,902$ | $(5,224,352)$ |
| PIVOTAL EQUITY | 491,935 | $1,623,386$ | $1,131,451$ |
| WALTON MEXICO | $6,261,025$ | $5,083,745$ | $(1,177,280)$ |
| WALTON ST FD VII | $2,117,342$ | $2,226,447$ | 109,105 |
| TOTAL REAL ESTATE PORTFOLIO | $\mathbf{1 8 1 , 9 7 7 , 6 9 1}$ | $\mathbf{1 7 1 , 9 4 5 , 2 7 7}$ | $(10,032,414)$ |

RISK PARITY PORTFOLIO
YEAR ENDED JUNE 30, 2014

| DESCRIPTION | COST | FAIR VALUE | UNREALIZED <br> GAIN(LOSS) |
| :--- | ---: | ---: | ---: |
| BRIDGEWATER RA FUND | $15,741,927$ | $16,070,000$ | 328,073 |
| BRIDGEWTR ALL WEATHR | $23,599,518$ | $27,643,674$ | $4,044,156$ |
| FFTW TIPS/CURRENCY | $7,750,395$ | $7,759,560$ | 9,165 |
| RISK PARITY FUNDS | $3,940,887$ | $3,999,816$ | 58,929 |
| TOTAL RISK PARITY PORTFOLIO | $\mathbf{5 1 , 0 3 2 , 7 2 7}$ | $\mathbf{5 5 , 4 7 3 , 0 5 0}$ | $\mathbf{4 , 4 4 0 , 3 2 3}$ |

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November 4, 2014

The Board of Trustees
Arizona Corrections Officer Retirement Plan
3010 East Camelback Road, Suite 200
Phoenix, Arizona 85016-4416

## Re: Arizona Corrections Officer Retirement Plan

Attention: Jared Smout, Deputy Administrator

The purpose of the annual actuarial valuation of the Arizona Corrections Officer Retirement Plan as of June 30, 2014 is to:

- Compute the liabilities associated with benefits likely to be paid on behalf of current retired and non-retired members.
- Compare assets with accrued liabilities to assess the funded condition.
- Compute the recommended employers’ contribution for the Fiscal Year beginning July 1, 2015.

The funding objective is stated in Article 4, Chapter 5, Title 38, Sections 843B and 848N of the Arizona Revised Statutes. The valuation should not be relied upon for any other purpose.

The valuation process develops contribution rates that are sufficient to fund the plan's normal cost (i.e., the costs assigned by the valuation method to the year of service about to be rendered), as well as to fund unfunded actuarial accrued liabilities as a level percent of active member payroll over a finite period. The valuations were completed based upon population data, asset data, and plan provisions as of June 30, 2014.

The valuation was based upon information furnished by the plan's administrative staff concerning Retirement System benefits, financial transactions, and active members, terminated members, retirees and beneficiaries. We checked the data for internal and year to year consistency, but did not otherwise audit the data. As a result, we do not assume responsibility for the accuracy or completeness of the data provided. The actuary summarizes and tabulates population data in order to analyze longer-term trends. The following schedules were prepared by the actuary and provided to the administrative staff to be included in the "Actuarial Section" of the June 30, 2014 CAFR:

- Aggregate Actuarial Balance Sheet as of June 30, 2014
- Summary of Valuation Assumptions
- Solvency Test
- Summary of Active Member Data
- Summary of Retirees and Inactive Members
- Schedule of Experience Gain/(Loss) for year ended June 30, 2014

The Board of Trustees
November 4, 2014
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GRS did not prepare any of the schedules included in the "Financial Section" of the June 30, 2014 CAFR. However, we did provide certain pieces of information that were used in that section, such as the Actuarial Accrued Liability and the Actuarial Value of Assets.

Assets are valued on a market related basis. This method recognizes the assumed return fully each year and spreads each year's gain or loss above or below assumed return over a closed seven-year period. The continuing effect of prior asset losses was dampened by the 7 -year smoothing period, and further offset by the effect of lower than assumed pay increases. There remains $\$ 14.8$ million ( $\$ 14.0$ million for pension and $\$ 0.8$ million for health) of unrecognized investment losses that will in the absence of other gains, drive the contribution rate up over the next several years.

Actuarial valuations are based upon assumptions regarding future activity in specific risk areas including the rates of investment return and payroll growth, eligibility for the various classes of benefits, and longevity among retired lives. The Board of Trustees adopts these assumptions after considering the advice of the actuary and other professionals. The assumptions and the methods comply with the requirements of Statement No. 67 of the Governmental Accounting Standards Board. Each actuarial valuation takes into account all prior differences between actual and assumed experience in each risk area and adjusts the contribution rates as needed. The June 30, 2014 valuations were based upon assumptions that were recommended in connection with a study of experience covering the 2006-2011 period. Future actuarial measurements may differ significantly from those presented in the valuations due to such factors as experience differing from that anticipated by the actuarial assumptions, changes in plan provisions, changes in actuarial assumptions or methods, or changes in applicable law.

Based upon the results of the June 30, 2014 valuations, the retired lives are less than fully funded on a funding value of assets basis and market value of assets basis. They are much less than fully funded based upon the market value of assets. It is most important that this plan receive contributions at least equal to the actuarial rates.

The June 30, 2014 actuarial valuation reflected the following changes:

- Assumption and method changes:
${ }^{\circ}$ Wage inflation was decreased from $4.50 \%$ to $4.00 \%$.

Gabriel Roeder Smith \& Company
Consultants \& Actuaries

| One Towne Square | 248.799 .9000 phone |
| :--- | :--- |
| Suite 800 | 248.799 .9020 fax |
| Southfield, MI 48076-3723 | www.gabrielroeder.com |

The Board of Trustees
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In order to gain a full understanding of the actuarial condition of the plan, it is important to read the full actuarial report that we have provided to the System.

Mark Buis and James D. Anderson are Members of the American Academy of Actuaries (M.A.A.A.), and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.

Respectfully submitted,


Mark Buis, F.S.A, M.A.A.A


James D. Anderson, F.S.A, M.A.A.A

MB/JDA:bd

## AGGREGATE ACTUARIAL BALANCE SHEET

YEAR ENDED JUNE 30, 2014

| ACTUARIAL ASSETS | 2014 |
| :---: | :---: |
| ACCRUED ASSETS |  |
| Member Accumulated Contributions | 396,381,172 |
| Employer and Benefit Payment Reserves | 1,202,187,050 |
| Funding Value Adjustment | 14,743,691 |
| Total Accrued Assets | 1,613,311,913 |
| PROSPECTIVE ASSETS |  |
| Member Contributions | 346,589,727 |
| Employer Normal Costs | 273,458,330 |
| Employer Unfunded Actuarial Accrued Liability | 1,121,248,459 |
| Total Prospective Assets | 1,741,296,516 |
| Total Actuarial Assets | 3,354,608,429 |
| ACTUARIAL PRESENT VALUES (LIABILITY) |  |
| PENSIONS IN PAYMENT STATUS |  |
| Pensions in payment status | 1,302,307,759 |
| PROSPECTIVE PAYMENTS |  |
| Retirement Payments | 1,890,632,838 |
| Health Insurance Payments | 76,869,369 |
| Member Contribution Refunds | 84,798,463 |
| Pension Increase Reserve | - |
| Total Prospective Payments | 2,052,300,670 |
| Total Actuarial Present Values (Liabilities) | 3,354,608,429 |

ACTUARIAL SECTION

## SUMMARY OF VALUATION ASSUMPTIONS

ECONOMIC ASSUMPTIONS
Interest Rate: 7.85\% (net of expenses)
Salary Increases: $4.00 \%$ for inflation
HEALTHY MORTALITY TABLE
RP2000 Health Annuitant Mortality Table adjusted by 105\% for both males and females.
This assumption was first used for the FY2012 valuation of the System.
DISABLED MORTALITY TABLES
RP2000 Health Annuitant Mortality Table set forward 10 years for both males and females.
This assumption was first used for the FY2012 valuation of the System.

MORTALITY RATES AND LIFE EXPECTANCY
HEALTHY MORTALITY

|  | PROBABILITY OF <br> DYING NEXT YEAR |  | FUTURE LIFE <br> EXPECTANCY (YEARS) |  |
| :---: | :---: | :---: | :---: | :---: |
| SAMPLE <br> AGES | MEN | WOMEN | MEN | WOMEN |
| $\mathbf{5 0}$ | $.21 \%$ | $.17 \%$ | 30.37 | 33.14 |
| $\mathbf{5 5}$ | $.36 \%$ | $.27 \%$ | 25.76 | 28.47 |
| $\mathbf{6 0}$ | $.67 \%$ | $.51 \%$ | 21.35 | 23.95 |
| $\mathbf{6 5}$ | $1.27 \%$ | $.97 \%$ | 17.24 | 19.72 |
| $\mathbf{7 0}$ | $2.22 \%$ | $1.67 \%$ | 13.54 | 15.86 |
| $\mathbf{7 5}$ | $3.78 \%$ | $2.81 \%$ | 10.27 | 12.40 |
| $\mathbf{8 0}$ | $6.44 \%$ | $4.59 \%$ | 7.50 | 9.38 |

MORTALITY RATES AND LIFE EXPECTANCY
DISABLED MORTALITY

|  | PROBABILITY OF <br> SYMP <br> SAMPLE |  | FUTURE LIFE <br> AGES |  |
| :---: | :---: | :---: | :---: | :---: |
| MEN | WOMEN | MEN | WOMEN |  |
| $\mathbf{5 0}$ | $.67 \%$ | $.51 \%$ | 21.74 | 24.38 |
| $\mathbf{5 5}$ | $1.27 \%$ | $.98 \%$ | 17.61 | 20.12 |
| $\mathbf{6 0}$ | $2.22 \%$ | $1.67 \%$ | 13.88 | 16.23 |
| $\mathbf{6 5}$ | $3.78 \%$ | $2.81 \%$ | 10.57 | 12.74 |
| $\mathbf{7 0}$ | $6.44 \%$ | $4.59 \%$ | 7.75 | 9.68 |
| $\mathbf{7 5}$ | $11.08 \%$ | $7.74 \%$ | 5.49 | 7.09 |
| $\mathbf{8 0}$ | $18.34 \%$ | $13.17 \%$ | 3.86 | 5.15 |

ACTIVE MEMBERS MORTALITY TABLE
Sample rates of mortality for death-in-service set forward 0 years for both males and females.
This assumption was first used for the FY2012 valuation of the System.

MORTALITY RATES
ACTIVE MEMBERS

|  | PROBABILITY OF <br> SAMPLE <br> DYING NEXT YEAR |  |
| :---: | :---: | :---: |
| AGES |  |  |$\quad$| MEN | WOMEN |  |
| :---: | :---: | :---: |
| $\mathbf{5 0}$ | $.21 \%$ | $.17 \%$ |
| $\mathbf{5 5}$ | $.36 \%$ | $.27 \%$ |
| $\mathbf{6 0}$ | $.67 \%$ | $.51 \%$ |
| $\mathbf{6 5}$ | $1.27 \%$ | $.97 \%$ |

Active members are eligible to retire normally at any age with 20 years of service ( 25 years for dispatchers), at age 62 with 10 years of service, or when a combination of age and credited service is equal to or greater than 80 years.

These rates adopted by the Board of Trustees, as recommended by the Plan's actuary, were first used for the June 30,2007 valuation.

## MISCELLANEOUS AND TECHNICAL ASSUMPTIONS

MARRIAGE ASSUMPTION
$80 \%$ of males and females are assumed to be married for purposes of death-in-service benefits. Male spouses are assumed to be three years older than female spouses for active member valuation purposes.

PAY INCREASE TIMING
Six months after the valuation date.

## DECREMENT TIMING

Decrements of all types are assumed to occur mid-year.

ELIGIBIIITY TESTING
Eligibility for benefits is determined based upon the age nearest birthday and service nearest whole year on the date the decrement is assumed to occur.
DECREMENT RELATIVITY
Decrement rates are used directly from the experience study, without adjustment for multiple decrement table effects.
DECREMENT OPERATION
Disability and turnover decrements do not operate during retirement eligibility.

SERVICE CREDIT ACCRUALS
It is assumed that members accrue one year of service credit per year.

INCIDENCE OF CONTRIBUTIONS
Contributions are assumed to be received continuously throughout the year based upon the computed percent of payroll shown in this report, and the actual payroll payable at the time contributions are made.

NORMAL FORM OF BENEFIT
A straight life payment is the assumed normal form of benefit for members who are not married, and the $80 \%$ Joint and Survivor form of payment with no reduction, for married members. $80 \%$ of members are assumed to be married at time of retirement.

BENEFIT SERVICE
Exact fractional service is used to determine the amount of benefit payable.
NORMAL COST PERCENTAGE
For the purposes of calculating the Normal Cost as a percent of payroll under the Projected Unit Credit Cost Method, the Normal Cost was projected with interest to the applicable Fiscal Year and divided by the Payroll projected with wage base to the applicable Fiscal Year.

HEALTH CARE UTILIZATION
$70 \%$ of future retirees are expected to utilize health care. $80 \%$ of those are assumed to be married.
FUTURE COST OF LIVING INCREASES
Future cost of living increases are not reflected in the liabilities. The 2012 Experience Study recommended reducing the expected rate of return by approximately $0.5 \%$ to account for this contingency.

## SOLVENCY TEST

Testing the financial solvency of a retirement plan can be done in several ways. The funding objective is to meet long-term benefit promises through contributions that remain approximately level from year to year as a percent of member payroll. If the contributions to the plan are level in concept and soundly executed, and if the plan continues its present operations pattern for the indefinite future, the plan will pay all promised benefits when due - the ultimate test of financial soundness.

A short term solvency test is one means of checking a plan's progress under its funding program. In a short term solvency test, the plan's present assets (cash and investments) are compared with:

- Active member contributions on deposit.
- The liabilities for future benefits to present retired lives.
- The liabilities for service already rendered by active members.

In a plan that has been following the discipline of level percent of payroll financing, the liabilities for active member contributions on deposit (liability 1) and the liabilities for future benefits to present retired lives (liability 2) will be fully covered by present assets (except in rare circumstances). In addition, the liabilities for service already rendered by active members (liability 3 ) will be partially covered by the remainder of present assets. Generally, if the plan has been using level cost financing, the funded portion of liability 3 will increase over time. Liability 3 being fully funded is very rare. All amounts presented are in thousands.

## AGGREGATE ACCRUED LIABILITIES

| YEAR ENDED JUNE 30, | ACTIVE MEMBER CONT.$\$(1)$ | RETIRANTS AND BENEFICIARIES <br> \$(2) | ACTIVE <br> MEMBERS (ER PORTION) $\$(3)$ | VALUATION ASSETS AVAILABLE FOR BENEFITS$\$(2)$ | PORTION OF ACCRUED <br> LIABILITIES COVERED BY NET ASSETS AVAILABLE FOR BENEFITS |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | (1) | (2) | (3) |
| 2005 | 178,353 | 332,199 | 395,473 | 872,981 | 100.00\% | 100.00\% | 91.60\% |
| 2006 | 193,819 | 384,513 | 402,876 | 919,868 | 100.00\% | 100.00\% | 84.80\% |
| 2007 | 213,688 | 430,172 | 466,941 | 940,126 | 100.00\% | 100.00\% | 63.40\% |
| 2008 | 296,317 | 504,462 | 589,584 | 1,027,026 | 100.00\% | 100.00\% | 68.90\% |
| 2009 | 314,100 | 586,596 | 683,597 | 1,309,124 | 100.00\% | 100.00\% | 59.70\% |
| 2010 | 345,122 | 689,910 | 686,973 | 1,382,144 | 100.00\% | 100.00\% | 50.50\% |
| 2011 | 353,892 | 823,664 | 831,013 | 1,466,750 | 100.00\% | 100.00\% | 34.80\% |
| 2012 | 373,726 | 918,771 | 939,047 | 1,512,989 | 100.00\% | 100.00\% | 23.50\% |
| 2013 | 382,417 | 1,011,478 | 936,343 | 1,559,583 | 100.00\% | 100.00\% | 17.70\% |
| 2014 | 396,381 | 1,269,515 | 971,649 | 1,511,212 | 100.00\% | 87.82\% | 0.00\% |

See Schedule of Funding Progress in the Required Supplementary Information.

AGE AND SERVICE DISTRIBUTION
Listed below is a summary of Active Members by age group, years of service and annual compensation. The summary points out that there were 14,595 active members in the Plan as of June 30, 2014, compared to 14,480 for the prior year.

| ATTAINED AGE | YEARS OF SERVICE TO VALUATION DATE |  |  |  |  |  |  | TOTALS |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30+ | N0. | AVG. SALARY |
| <25 | 1,121 | 11 |  |  |  |  |  | 1,132 | 35,100 |
| 25-29 | 1,966 | 406 | 3 |  |  |  |  | 2,375 | 36,691 |
| 30-34 | 1,007 | 918 | 255 | 1 |  |  |  | 2,181 | 40,340 |
| 35-39 | 601 | 669 | 530 | 165 |  |  |  | 1,965 | 43,679 |
| 40-44 | 530 | 555 | 502 | 507 | 44 |  |  | 2,138 | 45,580 |
| 45-49 | 328 | 396 | 383 | 368 | 164 | 17 |  | 1,656 | 47,056 |
| 50-54 | 232 | 290 | 280 | 268 | 151 | 86 | 6 | 1,313 | 47,662 |
| 55-59 | 170 | 203 | 254 | 207 | 89 | 62 | 13 | 998 | 46,948 |
| 60-69 | 82 | 155 | 148 | 119 | 60 | 33 | 17 | 614 | 47,312 |
| 70+ | 23 | 60 | 63 | 38 | 18 | 14 | 7 | 223 | 48,081 |
| Total | 6,060 | 3,663 | 2,418 | 1,673 | 526 | 212 | 43 | 14,595 | 42,841 |

COMPARATIVE SCHEDULE

| YEAR ENDED <br> JUNE 30, | ACTIVE <br> MEMEBERS | PAYROLL <br> $\mathbf{+ 0 0 0}$ | AGE <br> (YEARS) | SERVICE <br> (YEARS) | AVERAGE <br> SALARY | INCREASE IN <br> AVG. PAY |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 2005 | 11,752 | 404,156 | 39.6 | 6.0 | 34,390 | $4.30 \%$ |
| 2006 | 11,914 | 437,744 | 39.3 | 6.2 | 36,742 | $6.80 \%$ |
| 2007 | 12,780 | 515,428 | 39.0 | 6.0 | 40,331 | $9.80 \%$ |
| 2008 | 14,716 | 642,621 | 39.6 | 7.0 | 43,668 | $8.30 \%$ |
| 2009 | 14,580 | 630,825 | 40.2 | 7.4 | 43,266 | $(0.90) \%$ |
| 2010 | 14,319 | 616,481 | 40.3 | 7.8 | 43,053 | $(0.50) \%$ |
| 2011 | 14,565 | 609,243 | 40.1 | 7.7 | 41,829 | $(2.80) \%$ |
| 2012 | 14,991 | 626,223 | 39.8 | 7.7 | 41,773 | $(0.10) \%$ |
| 2013 | 14,580 | 604,068 | 39.7 | 8.0 | 41,431 | $(0.80) \%$ |
| 2014 | 14,595 | 625,264 | 39.6 | 8.1 | 42,841 | $3.40 \%$ |

## SUMMARY OF RETIREES AND INACTIVE MEMBERS

| RETIREES AND BENEFICIARIES |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| YEAR ENDED JUNE 30, | NUMBER REMOVED FROM ROLES | $\begin{gathered} \text { NUMBER } \\ \text { ADDED } \\ \text { TO } \\ \text { ROLES } \end{gathered}$ | TOTALS | ANNUAL ALLOWANCES REMOVED FROM ROLES | $\begin{array}{r} \text { ANNUAL } \\ \text { ALLOWANCES } \\ \text { ADDED TO } \\ \text { ROLES } \end{array}$ | ANNUAL PENSIONS | PERCENT INCREASE | $\begin{aligned} & \text { AVERAGE } \\ & \text { PENSION } \end{aligned}$ |
| 2005 | 61 | 258 | 1,733 | 3,761,718 | 8,829,800 | 31,329,225 | 19.3\% | 18,078 |
| 2006 | 46 | 232 | 1,919 | 2,405,616 | 4,807,848 | 37,272,180 | 19.0\% | 19,065 |
| 2007 | 68 | 272 | 2,123 | 971,820 | 6,365,640 | 42,666,000 | 14.0\% | 20,097 |
| 2008 | 100 | 405 | 2,428 | 2,197,553 | 10,594,200 | 51,062,647 | 19.7\% | 21,031 |
| 2009 | 118 | 281 | 2,591 | 1,532,671 | 9,559,615 | 59,089,591 | 15.7\% | 22,806 |
| 2010 | 52 | 369 | 2,908 | 850,373 | 11,529,838 | 69,769,056 | 18.1\% | 23,992 |
| 2011 | 48 | 396 | 3,256 | 880,983 | 12,749,577 | 81,637,650 | 17.0\% | 25,073 |
| 2012 | 64 | 284 | 3,476 | 1,078,072 | 7,358,770 | 87,918,348 | 7.7\% | 25,293 |
| 2013 | 69 | 403 | 3,810 | 1,418,636 | 9,965,863 | 96,465,575 | 9.7\% | 25,319 |
| 2014 | 56 | 336 | 4,090 | 1,070,772 | 12,167,340 | 107,562,143 | 11.5\% | 26,299 |

*Effective June 30, 2004, started reporting the annual allowances removed from roles and annual allowances added to roles. This information was not available prior to the effective date.

As of June 30,2014 , there were 1,687 inactive members in the Plan who had not withdrawn their accumulated member contributions. They are broken down by attained age and years of service as follows:

## INACTIVE MEMBERS

|  | YEARS OF SERVICE TO VALUATION DATE |  |  |  |  |  |  |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: | :---: |
| ATTAINED <br> AGE | $\mathbf{0 - 4}$ | $\mathbf{5 - 9}$ | $\mathbf{1 0 - 1 4}$ | $\mathbf{1 5 - 1 9}$ | $\mathbf{2 0 +}$ | TOTAL |  |
| $<30$ | 485 | 16 |  |  |  | 501 |  |
| $30-39$ | 418 | 86 | 15 |  |  | 519 |  |
| $40-44$ | 131 | 28 | 18 | 6 | 1 | 184 |  |
| $45-49$ | 103 | 15 | 18 | 2 |  | 138 |  |
| $50-54$ | 75 | 15 | 19 | 5 | 2 | 116 |  |
| $55-59$ | 61 | 20 | 33 | 11 | 2 | 127 |  |
| $60-69$ | 47 | 7 | 34 | 8 | 1 | 97 |  |
| $70+$ | 2 | 1 |  | 1 | 1 | 5 |  |
| Total | $\mathbf{1 , 3 2 2}$ | $\mathbf{1 8 8}$ | $\mathbf{1 3 7}$ | $\mathbf{3 3}$ | $\mathbf{7}$ | $\mathbf{1 , 6 8 7}$ |  |

## SCHEDULE OF EXPERIENCE GAIN (LOSS)

YEAR ENDED JUNE 30, 2014

| (1) | UAAL* at start of year |
| :--- | ---: |
| (2) | Normal cost for year |
| (3) | Funding Method Contribution |
| (4) | Interest accrued on (1), (2) and (3) |
| (5) | Expected UAAL before changes [(1)+(2)-(3)+(4)] |
| (6) | Changes from benefit increases |
| (7) | Change in Reserve for future pension increases |
| (8) | Expected UAAL after changes: (5)+(6)+(7) |
| (9) | Actual UAAL at end of year |
| (10) | Experience Gain (Loss): (8)-(9) |

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## FINANCIAL TRENDS

SUMMARY
The Statistical Section provides additional historical perspective, context, and detail to assist the reader in using the information in the financial statements, notes to the financial statements and required supplemental information to understand and assess the economic condition of CORP.

Financial trend information is intended to assist users in understanding and assessing the changes in the financial position over time. Schedules and charts presenting financial trend information are Schedule of Changes in Net Assets, Schedule of Revenue by Source, Schedule of Expenses by Type, Deductions from Net Assets for Benefits and Refunds by Type, Valuation Assets vs. Pension Liabilities, and Contribution Rates.

Operating information is intended to provide contextual information about the operations and resources of CORP to assist readers in using financial statement information to understand and assess the economic condition. Schedules and charts presenting operating information are Membership in the Retirement Plan*, Principal Participating Employers, Benefit Participants by Location, Summary of the Growth of the Plan, Benefits Payable*, Average Monthly Benefit Amounts*, Summary of Benefit Increases*, Schedule of Changes in Employers' Reserve Balances, Schedule of Changes in Refundable Member Reserve Balances, Schedule of Employers' Earnings Distribution, and Participating Employers.

Schedules and information are derived from CORP internal sources unless otherwise indicated.

* Schedules and data are provided by actuarial consultant Gabriel Roeder Smith \& Company.


## CHANGES IN FIDUCIARY NET POSITION LAST 10 FISCAL YEARS

(IN THOUSANDS)

|  | 2014 | 2013 | 2012 | 2011 | 2010 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ADDITIONS |  |  |  |  |  |
| Member Contributions | \$ 51,737 | \$ 50,649 | \$ 51,968 | \$ 50,891 | \$ 54,481 |
| Employer Contributions | 77,798 | 61,107 | 51,524 | 45,068 | 49,155 |
| Health Insurance Contributions | 6,681 | 7,334 | 7,568 | 6,935 | 5,282 |
| Net Investment Gain (Loss) | 194,517 | 138,268 | $(15,165)$ | 193,212 | 129,267 |
| Member Service Purchase | 466 | 814 | 851 | 777 | 733 |
| Transfers IN | 297 | 185 | 368 | 242 | 543 |
| Total Additions (Reductions) | 331,496 | 258,357 | 97,114 | 297,125 | 239,461 |
| DEDUCTIONS |  |  |  |  |  |
| Pension \& Insurance Benefits | 110,124 | 97,643 | 90,867 | 79,058 | 66,412 |
| Refunds To Terminated Members | 30,447 | 31,179 | 25,744 | 24,928 | 19,775 |
| Administrative Expenses | 1,438 | 1,267 | 1,183 | 1,185 | 915 |
| Transfers OUT | 499 | 841 | 964 | 945 | 586 |
| Total Deductions | 142,508 | 130,930 | 118,758 | 106,116 | 87,688 |
| NET INCREASE (DECREASE) | 188,988 | 127,427 | $(21,644)$ | 191,009 | 151,773 |
| NET POSITION HELD IN TRUST |  |  |  |  |  |
| Beginning of Fiscal Year, July 1 | 1,409,580 | 1,282,154 | 1,303,798 | 1,112,789 | 961,016 |
| End of Fiscal Year, June 30 | \$ 1,598,568 | \$ 1,409,581 | \$ 1,282,154 | \$ 1,303,798 | \$1,112,789 |
|  | 2009 | 2008 | 2007 | 2006 | 2005 |
| ADDITIONS |  |  |  |  |  |
| Member Contributions | \$ 53,098 | \$ 111,098 | \$ 41,355 | \$ 37,134 | \$ 34,590 |
| Employer Contributions | 50,379 | 144,581 | 21,749 | 21,343 | 13,815 |
| Health Insurance Contributions | 5,636 | 6,148 | 2,874 | 2,685 | 2,477 |
| Net Investment Gain (Loss) | $(216,313)$ | $(68,040)$ | 144,850 | 64,198 | 66,277 |
| Member Service Purchase | 429 | 871 | 930 | 994 | 719 |
| Transfers IN | 352 | 3,217 | 456 | 1,234 | 1,071 |
| Total Additions (Reductions) | $(106,419)$ | 197,875 | 212,214 | 127,588 | 118,948 |
| DEDUCTIONS |  |  |  |  |  |
| Pension \& Insurance Benefits | 57,697 | 51,046 | 41,630 | 36,709 | 31,098 |
| Refunds To Terminated Members | 14,879 | 16,212 | 16,634 | 15,741 | 16,653 |
| Administrative Expenses | 1,065 | 1,103 | 732 | 674 | 922 |
| Transfers OUT | 512 | 864 | 2,063 | 1,555 | 637 |
| Total Deductions | 74,153 | 69,225 | 61,060 | 54,679 | 49,310 |
| NET INCREASE (DECREASE) | $(180,572)$ | 128,650 | 151,155 | 72,909 | 69,639 |
| NET POSITION HELD IN TRUST |  |  |  |  |  |
| Beginning of Fiscal Year, July 1 | 1,141,588 | 1,012,938 | 861,783 | 788,874 | 719,235 |
| End of Fiscal Year, June 30 | \$961,016 | \$1,141,588 | \$1,012,938 | \$861,783 | \$788,874 |

## SCHEDULE OF REVENUE BY SOURCE (ALL PLANS COMBINED)

LAST TEN FISCAL YEARS

| $\begin{array}{r} \text { YEAR } \\ \text { ENDING } \\ \text { JUNE 30, } \end{array}$ | MEMBER CONT. | EMPLOYER CONT. | HEALTH INSURANCE CONT. | $\begin{aligned} & \% \text { OF } \\ & \text { COVERED } \\ & \text { PAYROLL } \end{aligned}$ | INVESTMENT INCOME (LOSS) | TRANSFERRED IN FROM OTHER PLANS | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2005 | 34,589,714 | 13,814,464 | 2,477,450 | 4.07\% | 66,277,084 | 1,789,618 | 118,948,330 |
| 2006 | 37,134,076 | 21,343,413 | 2,684,637 | 5.47\% | 64,197,983 | 2,228,116 | 127,588,225 |
| 2007 | 41,354,907 | 21,749,008 | 2,873,685 | 4.46\% | 144,850,095 | 1,386,706 | 212,214,401 |
| 2008 | 111,097,660 | 144,581,325 | 6,147,893 | 6.72\% | $(68,039,675)$ | 4,087,988 | 197,875,191 |
| 2009 | 53,098,136 | 50,378,712 | 5,636,426 | 8.65\% | $(216,313,556)$ | 781,196 | $(106,419,086)$ |
| 2010 | 54,480,961 | 49,154,582 | 5,282,496 | 7.49\% | 129,267,190 | 1,276,087 | 239,461,316 |
| 2011 | 50,891,168 | 45,067,749 | 6,934,982 | 8.57\% | 193,212,289 | 1,018,286 | 297,124,474 |
| 2012 | 51,967,894 | 51,524,317 | 7,568,087 | 9.50\% | $(10,340,020)$ | 1,219,350 | 101,939,628 |
| 2013 | 50,648,775 | 61,106,590 | 7,334,225 | 11.31\% | 138,267,533 | 999,077 | 258,356,200 |
| 2014 | 51,736,766 | 77,797,924 | 6,681,242 | 13.68\% | 194,516,872 | 762,860 | 331,495,664 |

SCHEDULE OF EXPENSES BY TYPE (ALL PLANS COMBINED) LAST TEN FISCAL YEARS

| YEAR <br> ENDING <br> JUNE 30, | BENEFITS | HEALTH <br> INSURANCE <br> SUBSIDY | ADMIN. <br> EXPENSES | TRANSFERRED |  |  |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: |
| REFUNDS | OTHER <br> PLANS | TOTAL |  |  |  |  |
| 2005 | $28,697,101$ | $2,400,849$ | 922,183 | $16,652,638$ | 637,008 | $49,309,779$ |
| 2006 | $34,849,946$ | $1,858,582$ | 674,058 | $15,741,460$ | $1,555,240$ | $54,679,286$ |
| 2007 | $39,716,871$ | $1,913,186$ | 732,236 | $16,634,320$ | $2,062,977$ | $61,059,590$ |
| 2008 | $48,972,663$ | $2,073,245$ | $1,102,992$ | $16,211,929$ | 864,053 | $69,224,882$ |
| 2009 | $55,488,889$ | $2,207,889$ | $1,064,825$ | $14,879,342$ | 511,697 | $74,152,642$ |
| 2010 | $64,039,674$ | $2,372,104$ | 915,378 | $19,774,873$ | 586,100 | $87,688,129$ |
| 2011 | $76,359,270$ | $2,699,129$ | $1,184,756$ | $24,927,660$ | 945,170 | $106,115,985$ |
| 2012 | $87,977,793$ | $2,890,441$ | $1,182,692$ | $25,743,514$ | 964,033 | $118,758,473$ |
| 2013 | $94,813,343$ | $2,829,735$ | $1,266,690$ | $31,179,499$ | 840,629 | $130,929,896$ |
| 2014 | $107,086,812$ | $3,037,563$ | $1,437,691$ | $30,446,708$ | 498,689 | $142,507,463$ |

DEDUCTIONS FROM NET POSITION FOR BENEFITS AND REFUNDS BY TYPE
LAST TEN FISCAL YEARS

| YEAR <br> ENDING <br> JUNE 30, | NORMAL <br> BENEFITS | SURVIVOR <br> BENEFITS | DISABILITY <br> BENEFITS | TOTAL <br> BENEFITS | DROP <br> PROGRAM | SEPARATION <br> REFUNDS | HEALTH <br> INSURANCE <br> SUBSIDY <br> 2005 <br> $20,519,992$ |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $2,871,675$ | $1,305,434$ | $28,697,101$ | - | $16,652,638$ | $2,400,849$ |  |  |
| 2006 | $28,928,172$ | $4,472,559$ | $1,449,215$ | $34,849,946$ | - | $15,741,460$ | $1,858,582$ |
| 2008 | $33,341,839$ | $4,860,093$ | $1,514,939$ | $39,716,871$ | - | $16,634,320$ | $1,913,186$ |
| 2009 | $39,831,873$ | $5,934,454$ | $1,625,680$ | $47,392,007$ | $1,580,656$ | $16,211,929$ | $2,073,245$ |
| 2010 | $46,752,709$ | $6,685,021$ | $1,805,702$ | $55,243,432$ | 245,457 | $14,879,342$ | $2,207,889$ |
| 2011 | $54,722,001$ | $6,740,427$ | $1,914,842$ | $63,377,270$ | 662,404 | $19,774,873$ | $2,372,104$ |
| 2012 | $74,848,261$ | $7,467,220$ | $2,105,741$ | $75,021,222$ | $1,338,048$ | $24,927,660$ | $2,699,129$ |
| 2013 | $81,829,319$ | $9,602,328$ | $2,259,626$ | $85,684,902$ | $2,292,891$ | $25,743,514$ | $2,890,441$ |
| 2014 | $92,737,553$ | $10,049,794$ | $2,532,583$ | $105,319,930$ | $1,766,882$ | $30,446,708$ | $3,037,563$ |



VALUATION ASSETS vs. PENSION LIABILITIES
INCLUDES HEALTH INSURANCE SUBSIDY LAST TEN FISCAL YEARS
(IN THOUSANDS)

| YEAR <br> ENDING <br> JUNE 30, | VALUATION <br> ASSETS | UNFUNDED <br> LIABILITIES | ACCRUED <br> LIABILITIES | FUNDED <br> RATIO |
| :---: | ---: | ---: | ---: | ---: |
| 2005 | 872,981 | $(9,190)$ | 863,791 | $101.1 \%$ |
| 2006 | 919,867 | 61,340 | 981,207 | $93.7 \%$ |
| 2007 | 940,126 | 170,675 | $1,110,801$ | $84.6 \%$ |
| 2008 | $1,207,026$ | 183,337 | $1,390,363$ | $86.8 \%$ |
| 2009 | $1,309,124$ | 275,169 | $1,584,293$ | $82.6 \%$ |
| 2010 | $1,382,144$ | 339,862 | $1,722,006$ | $80.3 \%$ |
| 2011 | $1,466,750$ | 541,820 | $2,008,569$ | $73.0 \%$ |
| 2012 | $1,512,989$ | 718,555 | $2,231,544$ | $67.8 \%$ |
| 2013 | $1,559,583$ | 770,655 | $2,330,238$ | $66.9 \%$ |
| 2014 | $1,613,312$ | $1,121,248$ | $2,734,560$ | $59.0 \%$ |

## SCHEDULE OF BENEFITS BY TYPE AND RANGE

FISCAL YEAR 2014

| MONTHLY <br> BENEFIT <br> AMOUNT | NORMAL <br> BENEFITS | SURVIVOR <br> BENEFITS | DISABILITY <br> BENEFITS | TOTAL <br> BENEFITS |
| :---: | ---: | ---: | ---: | ---: |
| Under 1,000 | 292 | 105 | 12 | 409 |
| $1,001-2,000$ | 1,070 | 391 | 81 | 1,542 |
| $2,001-3,000$ | 1,399 | 55 | 26 | 1,480 |
| $3,001-4,000$ | 415 | 99 | 2 | 426 |
| $4,001-5,000$ | 157 | 2 | - | 159 |
| $5,001-6,000$ | 44 | 2 | - | 46 |
| $6,001-7,000$ | 15 | 1 | 1 | 17 |
| $7,001-8,000$ | 8 | 1 | - | 9 |
| $8,001-9,000$ | 1 | - | - | 1 |
| $9,001-10,000$ | - | - | - | - |
| 0ver 10,001 | 1 | - | - | 1 |
| Totals | $\mathbf{3 , 4 0 2}$ | $\mathbf{5 6 6}$ | $\mathbf{1 2 2}$ | $\mathbf{4 , 0 9 0}$ |




| CONTRIBUTION RATES <br> LAST TEN FISCAL YEARS |  |  |
| :---: | ---: | ---: |
| YEAR <br> ENDING <br> JUNE 30, | AVERAGE <br> EMPLOYER <br> RATE | EMPLOYEE <br> RATE |
| 2005 | $4.07 \%$ | $8.50 \%$ |
| 2006 | $5.47 \%$ | $8.50 \%$ |
| 2007 | $4.46 \%$ | $7.96 \%$ |
| 2008 | $6.72 \%$ | $7.93 \%$ |
| 2009 | $8.65 \%$ | $7.96 \%$ |
| 2010 | $7.49 \%$ | $7.96 \%$ |
| 2011 | $8.57 \%$ | $7.96 \%$ |
| 2012 | $9.50 \%$ | $8.41 \%$ |
| 2013 | $11.31 \%$ | $8.41 \%$ |
| 2014 | $13.68 \%$ | $8.41 \%$ |



DISTRIBUTION OF BENEFIT RECIPIENTS BY LOCATION


MEMBERSHIP IN RETIREMENT SYSTEM
LAST TEN FISCAL YEARS

| YEAR <br> ENDING <br> JUNE 30, | ACTIVE | BENEFICIARY <br> RETIRED | TERMINATED <br> VESTED | TOTAL |
| :---: | ---: | ---: | ---: | ---: |
| 2005 | 11,752 | 1,733 | 196 | 13,681 |
| 2006 | 11,914 | 1,955 | 229 | 14,098 |
| 2007 | 12,780 | 2,123 | 233 | 15,136 |
| 2008 | 14,716 | 2,428 | 273 | 17,417 |
| 2009 | 14,580 | 2,591 | 1,476 | 18,647 |
| 2010 | 14,319 | 2,908 | 1,601 | 18,828 |
| 2011 | 14,565 | 3,256 | 1,300 | 19,121 |
| 2012 | 14,991 | 3,476 | 1,101 | 19,568 |
| 2013 | 14,580 | 3,810 | 1,463 | 19,853 |
| 2014 | 14,595 | 4,090 | 1,687 | 20,372 |



PRINCIPAL PARTICIPATING EMPLOYERS
LAST TEN FISCAL YEARS

| EMPLOYER | 2014 |  |  | 2005 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | COVERED EMPLOYEES | RANK | $\begin{array}{r} \% \text { OF } \\ \text { MEMBERSHIP } \end{array}$ | COVERED EMPLOYEES | RANK | $\begin{array}{r} \% \text { OF } \\ \text { MEMBERSHIP } \end{array}$ |
| STATE | 8,648 | 1 | 59.26\% | 8,612 | 1 | 73.28\% |
| MARICOPA COUNTY | 2,109 | 2 | 14.45\% | 1,825 | 2 | 15.53\% |
| PIMA COUNTY | 461 | 3 | 3.16\% | 429 | 3 | 3.65\% |
| PINAL COUNTY | 260 | 4 | 1.78\% | 118 | 6 | 1.00\% |
| YAVAPAI COUNTY | 180 | 5 | 1.23\% | 193 | 4 | 1.64\% |
| YUMA COUNTY | 161 | 6 | 1.10\% | 147 | 5 | 1.25\% |
| MOHAVE COUNTY | 115 | 7 | 0.79\% | 79 | 8 | 0.67\% |
| COCONINO COUNTY | 90 | 8 | 0.62\% | 80 | 7 | 0.68\% |
| COCHISE COUNTY | 60 | 9 | 0.41\% | 64 | 9 | 0.54\% |
| GILA COUNTY | 59 | 10 | 0.40\% | 49 | 11 | 0.42\% |
| ALL OTHERS | 2,452 |  | 16.80\% | 158 |  | 1.34\% |
| TOTAL | 14,595 |  | 100.00\% | 11,754 |  | 100.00\% |

## SUMMARY OF BENEFIT INCREASES

LAST TEN FISCAL YEARS

| YEAR <br> ENDING <br> JUNE 30, | EXCESS <br> YIELD PER <br> STATUTE | EXCESS <br> EARNINGS | EARNED <br> ON EXCESS <br> AVAILABLE | UTILIZED TO <br> FUND COLA | EXCESS <br> EARNINGS <br> AVAILABLE | BENEFIT <br> INCREASE <br> 4\%CAP |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 2005 | $0.23 \%$ | 810,817 | $4,237,276$ | $(9,545,626)$ | $41,415,092$ | $4.00 \%$ |
| 2006 | $0.00 \%$ | - | $3,383,613$ | $(11,506,060)$ | $33,292,645$ | $4.00 \%$ |
| 2007 | $7.77 \%$ | $35,123,022$ | $5,583,177$ | $(13,572,783)$ | $60,426,061$ | $4.00 \%$ |
| 2008 | $0.00 \%$ | - | $(4,258,829)$ | $(15,533,554)$ | $40,633,678$ | $4.00 \%$ |
| 2009 | $0.00 \%$ | - | $(7,311,624)$ | $(18,197,108)$ | $15,124,946$ | $4.00 \%$ |
| 2010 | $4.47 \%$ | $22,836,733$ | $2,037,330$ | $(21,264,230)$ | $18,734,779$ | $4.00 \%$ |
| 2011 | $0.00 \%$ | $18,471,995$ | $3,254,231$ | $(25,641,306)$ | $14,819,699$ | $4.00 \%$ |
| 2012 | $0.00 \%$ | - | $(117,076)$ | $(14,702,623)$ | - | $1.94 \%$ |
| 2013 | $0.00 \%$ | $4,244,357$ | - | $(4,244,357)$ | - | $0.55 \%$ |
| 2014 | $0.00 \%$ | $12,916,571$ | - | $(12,916,571)$ | - | $1.59 \%$ |

SUMMARY OF GROWTH OF THE SYSTEM
LAST TEN FISCAL YEARS

| YEAR <br> ENDING <br> JUNE 30, | TOTAL <br> ASSETS <br> AT BOOK | INVESTMENT <br> REALIZED <br> EARNING | ASSUMED <br> ACTUARLAL <br> YIELD | NET <br> EFFECTIVE <br> YIELD | AVERAGE <br> EMPLOYER <br> RATE |
| :---: | ---: | ---: | ---: | ---: | ---: |
| 2005 | $662,258,326$ | $43,327,649$ | $8.75 \%$ | $7.01 \%$ | $4.07 \%$ |
| 2006 | $744,246,872$ | $73,445,862$ | $8.50 \%$ | $11.18 \%$ | $5.47 \%$ |
| 2007 | $840,116,484$ | $90,731,938$ | $8.50 \%$ | $12.14 \%$ | $4.46 \%$ |
| 2008 | $1,108,093,837$ | $125,821,779$ | $8.50 \%$ | $13.50 \%$ | $6.72 \%$ |
| 2009 | $1,057,808,935$ | $(175,258,029)$ | $8.50 \%$ | $-13.04 \%$ | $8.65 \%$ |
| 2010 | $1,095,569,678$ | $(322,346)$ | $8.50 \%$ | $-1.50 \%$ | $7.49 \%$ |
| 2011 | $1,162,499,803$ | $56,158,378$ | $8.25 \%$ | $6.43 \%$ | $8.57 \%$ |
| 2012 | $1,205,454,963$ | $38,880,876$ | $8.00 \%$ | $4.27 \%$ | $9.50 \%$ |
| 2013 | $1,283,208,335$ | $68,918,508$ | $7.85 \%$ | $7.20 \%$ | $11.31 \%$ |
| 2014 | $1,370,985,156$ | $105,803,854$ | $7.85 \%$ | $7.72 \%$ | $13.68 \%$ |

BENEFITS PAYABLE JUNE 30, 2014
BY TYPE OF BENEFIT

| PENSIONS <br> BEING PAID | NO. | ANNUAL <br> PENSIONS | AVERAGE <br> PENSIONS |
| :--- | ---: | ---: | ---: |
| RETIRED MEMBERS | 3,402 | $94,941,342$ | 27,908 |
| Service Pensions | 122 | $2,580,038$ | 21,148 |
| Disability Pensions | 3,524 | $97,521,380$ | 27,673 |
| Total Retired Members |  |  |  |
|  |  |  |  |
| SURVIVORS OF MEMBERS | 529 | $9,414,624$ | 17,797 |
| $\quad$ Spouses |  |  |  |
| Children w/Guardians | 37 | 626,139 | 16,923 |
| Total Survivors of Members | 566 | $10,040,763$ | 17,740 |
|  |  |  |  |
| TOTAL PENSIONS BEING PAID | $\mathbf{4 , 0 9 0}$ | $\mathbf{1 0 7 , 5 6 2 , 1 4 3}$ | $\mathbf{2 6 , 2 9 9}$ |


|  | AVERAGE <br> AGE | AVERAGE <br> SERVICE | AVG. AGE AT <br> RETIREMENT |
| :--- | ---: | ---: | ---: |
| Normal retired members | 63.8 | 19.8 | 56.7 |
| Disability retired members | 56.4 | 9.6 | 46.2 |
| Spouse beneficiaries | 66.1 | 12.5 | 52.2 |

## AVERAGE MONTHLY BENEFIT AMOUNTS

LAST TEN FISCAL YEARS
YEARS OF CREDITED SERVICE BY CATEGORY

| YEAR | YEARS OF CREDITED SERVICE BY CATEGORY |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ENDING <br> JUNE 30, |  | <5 | 5-10 | 10-15 | 15-20 | 20-25 | 25-30 | 30+ | $\begin{array}{r} \text { ALL } \\ \text { MEMBERS } \end{array}$ |
| 2005 | Average monthly benefit |  |  |  |  |  |  |  | 1,507 |
|  | Average final average salary |  |  |  |  |  |  |  | 2,779 |
|  | Number of retirees |  |  |  |  |  |  |  | 1,733 |
| 2006 | Average monthly benefit |  |  |  |  |  |  |  | 1,589 |
|  | Average final average salary |  |  |  |  |  |  |  | 2,892 |
|  | Number of retirees |  |  |  |  |  |  |  | 1,955 |
| 2007 | Average monthly benefit |  |  |  |  |  |  |  | 1,675 |
|  | Average final average salary |  |  |  |  |  |  |  | 3,096 |
|  | Number of retirees |  |  |  |  |  |  |  | 2,123 |
| 2008 | Average monthly benefit | 1,093 | 998 | 1,028 | 1,467 | 2,055 | 2,934 | 3,506 | 1,753 |
|  | Average final average salary |  |  |  |  |  |  |  | 3,354 |
|  | Number of retirees | 122 | 158 | 554 | 391 | 849 | 288 | 66 | 2,428 |
| 2009 | Average monthly benefit | 1,155 | 1,080 | 1,079 | 1,596 | 2,227 | 3,311 | 4,019 | 1,900 |
|  | Average final average salary |  |  |  |  |  |  |  | 3,535 |
|  | Number of retirees | 126 | 164 | 614 | 400 | 930 | 290 | 67 | 2,591 |
| 2010 | Average monthly benefit | 1,208 | 1,133 | 1,131 | 1,669 | 2,308 | 3,397 | 4,189 | 1,999 |
|  | Average final average salary |  |  |  |  |  |  |  | 3,606 |
|  | Number of retirees | 132 | 172 | 671 | 438 | 1,078 | 335 | 82 | 2,908 |
| 2011 | Average monthly benefit | 1,235 | 1,172 | 1,169 | 1,733 | 2,364 | 3,424 | 4,322 | 2,089 |
|  | Average final average salary |  |  |  |  |  |  |  | 3,682 |
|  | Number of retirees | 138 | 176 | 715 | 458 | 1,272 | 399 | 98 | 3,256 |
| 2012 | Average monthly benefit | 1,233 | 1,185 | 1,168 | 1,733 | 2,363 | 3,392 | 4,435 | 2,108 |
|  | Average final average salary |  |  |  |  |  |  |  | 3,743 |
|  | Number of retirees | 142 | 170 | 740 | 477 | 1,406 | 434 | 107 | 3,476 |
| 2013 | Average monthly benefit | 1,243 | 1,189 | 1,176 | 1,721 | 2,357 | 3,373 | 4,333 | 2,110 |
|  | Average final average salary |  |  |  |  |  |  |  | 3,808 |
|  | Number of retirees | 148 | 169 | 811 | 524 | 1,566 | 477 | 115 | 3,810 |
| 2014 | Average monthly benefit | 1,340 | 1,292 | 1,216 | 1,791 | 2,428 | 3,482 | 4,423 | 2,192 |
|  | Average final average salary |  |  |  |  |  |  |  | 3,719 |
|  | Number of retirees | 150 | 174 | 864 | 554 | 1,706 | 517 | 125 | 4,090 |

* Detailed information not available prior to fiscal year ending June 30, 2008.


## 10 YEAR ESTIMATED CONTRIBUTION RATES

(IN PERCENTAGE)

|  | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 | FY $\mathbf{2 0 2 6}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CORP Aggregate | 18.16 | 17.92 | 17.73 | 17.65 | 17.41 | 17.20 | 17.08 | 16.97 | 16.87 | 16.77 |
| State Department of Corrections | 16.77 | 18.57 | 18.49 | 18.40 | 18.15 | 17.94 | 17.82 | 17.71 | 17.61 | 17.52 |
| Dept. of Public Safety - Dispatchers | 15.61 | 17.11 | 17.11 | 17.17 | 16.95 | 16.75 | 16.68 | 16.63 | 16.60 | 16.57 |
| Dept. of Public Safety - Detention | 6.84 | 6.88 | 6.85 | 6.84 | 6.77 | 6.71 | 6.67 | 6.62 | 6.58 | 6.54 |
| The Judiciary | 17.97 | 19.59 | 19.59 | 19.60 | 19.38 | 19.20 | 19.11 | 19.01 | 18.90 | 18.79 |
| Dept. of Juvenile Corrections | 20.54 | 23.19 | 23.19 | 23.13 | 22.88 | 22.65 | 22.51 | 22.39 | 22.33 | 22.27 |

* Estimated contribution rates for the next 10 years per Amended Statute 38-848.

SCHEDULE OF CHANGES IN REFUNDABLE MEMBER RESERVE BALANCES
FISCAL YEAR ENDED JUNE 30, 2014

| SYSTEM | 2013 <br> BALANCES | RESERVE <br> TRANSFERS | CONTRIBUTIONS <br> RECEIVED | WITHDRAWN <br> MEMBERS | 2014 <br> BALANCES |
| :--- | ---: | ---: | ---: | ---: | ---: |
| ADMIN. OFFICE OF THE COURT | $74,745,785$ | $(3,768,777)$ | $9,132,189$ | $(993,407)$ | $79,115,789$ |
| APACHE COUNTY - CORP | 283,815 | 0 | 46,277 | $(30,271)$ | 299,822 |
| CITY OF AVONDALE - DETENTION | 337,426 | $(36,602)$ | 42,178 | 0 | 343,003 |
| CITY OF SOMERTON - DISPATCHERS | 114,003 | 0 | 13,532 | 0 | 127,536 |
| COCHISE COUNTY - CORP | $1,250,828$ | $(20,252)$ | 141,534 | $(55,794)$ | $1,316,316$ |
| COCONINO COUNTY - CORP | $1,819,235$ | $(146,088)$ | 320,700 | $(164,288)$ | $1,829,560$ |
| DEPARTMENT OF CORRECTIONS - CORP | $202,483,646$ | $(12,263,948)$ | $27,721,719$ | $(12,635,694)$ | $205,305,723$ |
| DEPARTMENT OF PUBLIC SAFETY | $2,484,062$ | $(241,525)$ | 213,262 | $(29,347)$ | $2,426,453$ |
| DEPARTMENT OF PUBLIC SAFETY DETENTION | 14,523 | 13,353 | 4,458 | 0 | 32,335 |
| DEPT OF JUVENILE CORRECTIONS-CORP | $12,787,620$ | $(709,761)$ | $1,530,548$ | $(821,706)$ | $12,786,702$ |
| GILA COUNTY - CORP | $1,098,027$ | $(51,853)$ | 186,454 | $(30,264)$ | $1,202,364$ |
| GILA COUNTY - DISPATCHERS | 248,575 | $(13,700)$ | 20,281 | $(29,692)$ | 225,464 |
| GRAHAM COUNTY - DETENTION | 519,156 | $(5,284)$ | 93,360 | $(118,801)$ | 488,431 |
| GRAHAM COUNTY - DISPATCHERS | 143,320 | 0 | 16,679 | $(13,836)$ | 146,164 |
| MARICOPA COUNTY - CORP | $55,309,966$ | $(1,689,312)$ | $8,207,931$ | $(2,168,110)$ | $59,660,474$ |
| MOHAVE COUNTY - CORP | $1,401,210$ | $(26,174)$ | 328,515 | $(113,743)$ | $1,589,808$ |
| NAVAJO COUNTY - CORP | 811,939 | $(40,491)$ | 141,818 | $(80,794)$ | 832,471 |
| ORO VALLEY - DISPATCHERS | 371,434 | 0 | 32,699 | 0 | 404,133 |
| PIMA COUNTY - CORP | $12,535,935$ | $(541,196)$ | $1,686,264$ | $(1,308,530)$ | $12,372,473$ |
| PINAL COUNTY - CORP | $7,344,877$ | $(255,957)$ | $1,066,349$ | $(650,293)$ | $7,504,976$ |
| PINAL COUNTY - DISPATCHERS | 485,814 | 0 | 51,276 | $(3,972)$ | 533,119 |
| SANTA CRUZ COUNTY - CORP | 462,031 | $(3,756)$ | 107,243 | $(78,203)$ | 487,316 |
| TOWN OF MARANA - DISPATCHERS | 311,791 | 0 | 36,306 | 0 | 348,097 |
| TOWN OF WICKENBURG DISPATCHERS | 107,470 | $(39,860)$ | 11,532 | 0 | 0 |
| YAVAPAI COUNTY - CORP | $3,358,258$ | $(93,068)$ | 549,792 | $(141,300)$ | $3,673,682$ |
| YAVAPAI COUNTY - DISPATCHERS | 142,779 | $(7,725)$ | 21,529 | 0 | 156,583 |
| YUMA COUNTY - CORP | $2,920,501$ | $(157,054)$ | 478,367 | $(174,632)$ | $3,067,182$ |
| TOTALS | $383,894,028$ | $(20,099,029)$ | $52,202,793$ | $(19,642,676)$ | $396,355,115$ |

OPERATING INFORMATION
SCHEDULE OF CHANGES IN EMPLOYER RESERVE BALANCES AND UNFUNDED ACTUARIAL ACCRUED LIABILITIES

| SYSTEM | $\begin{array}{r} 2013 \\ \text { BALANCES } \end{array}$ | MOVE TO HEALTH INS | $\begin{aligned} & \text { RESERVE } \\ & \text { TRANSFERS } \end{aligned}$ | $\begin{aligned} & \text { CONTRIB } \\ & \text { RECEIVED } \end{aligned}$ | $\begin{aligned} & \text { PENSION } \\ & \text { PAYMENTS } \end{aligned}$ | $\begin{array}{r} \text { DROP } \\ \text { PAYMENT } \end{array}$ | ENHANCED REFUNDS | $\begin{gathered} \text { DIST. OF } \\ \text { EARNINGS } \end{gathered}$ | $\begin{array}{r} 2014 \\ \text { BALANCES } \end{array}$ | UNFUNDED AAL 2013 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ADMIN. OFFICE OF THE COURT | 202,586,011 | $(4,729,375)$ | 3,959,908 | 15,551,633 | $(15,767,955)$ | 0 | $(321,479)$ | 37,124,545 | 238,403,288 | 160,988,965 |
| APACHECOUNTY - CORP | 986,156 | $(128,723)$ | 0 | 50,332 | $(95,650)$ | 0 | 0 | 158,549 | 970,664 | 291,981 |
| CIIT OF AVONDALE - DETENTION | 522,673 | $(17,098)$ | 36,602 | 46,842 | $(11,584)$ | 0 | 0 | 118,520 | 695,955 | 328,174 |
| CITY OF SOMERTON - DISPATCHERS | 262,509 | $(10,051)$ | 0 | 31,926 | $(31,882)$ | 0 | 0 | 50,359 | 302,861 | 455,526 |
| COCHISE COUNTY - CORP | 3,681,538 | $(497,992)$ | 20,252 | 222,257 | $(370,931)$ | 0 | $(22,176)$ | 617,823 | 3,650,771 | 2,224,683 |
| COCONINO COUNTY - CORP | 4,155,664 | (328,462) | 78,299 | 313,756 | $(186,628)$ | 0 | $(86,897)$ | 782,141 | 4,727,872 | 1,163,089 |
| DEPARTMENT OF CORRECTIONS - CORP | 551,076,903 | $(57,091,576)$ | 11,817,547 | 40,166,085 | $(63,596,785)$ | 0 | $(7,132,976)$ | 95,459,924 | 570,699,122 | 417,672,578 |
| DEPARTMENT OF PUBLIC SAFETY | 5,089,845 | $(110,043)$ | 244,464 | 318,070 | $(253,201)$ | 0 | $(12,123)$ | 1,016,924 | 6,293,935 | 3,521,243 |
| DEPT. OF PUBLLC SAFETY DETENTION | $(6,783)$ | (704) | 822 | 2,140 | 0 | 0 | 0 | 2,366 | $(2,159)$ | 30,449 |
| DEPT OF JUVENLLE CORRECTIONS-CORP | 47,149,445 | $(4,900,741)$ | 976,372 | 2,516,628 | $(6,163,950)$ | 0 | $(373,220)$ | 7,450,405 | 46,654,940 | 31,605,083 |
| GILA COUNTY - CORP | 2,336,997 | $(221,268)$ | 51,308 | 191,319 | $(116,405)$ | 0 | $(1,533)$ | 457,815 | 2,698,234 | 415,984 |
| GILA COUNTY - DISPATCHERS | 1,020,448 | $(63,724)$ | $(6,295)$ | 26,396 | $(79,830)$ | 0 | $(27,252)$ | 157,373 | 1,027,116 | 306,528 |
| GRAHAM COUNTY - detention | 1,272,894 | $(48,262)$ | 5,284 | 104,148 | $(117,947)$ | 0 | $(68,078)$ | 228,216 | 1,376,255 | 319,902 |
| GRAHAM COUNTY - DISPATCHERS | 277,649 | $(11,985)$ | 0 | 14,898 | 0 | 0 | $(3,459)$ | 56,196 | 333,299 | $(65,272)$ |
| MARICOPA COUNTY - CORP | 129,791,052 | $(11,470,651)$ | 1,617,235 | 11,963,290 | $(12,624,052)$ | 0 | $(1,281,589)$ | 24,146,574 | 142,141,859 | 98,574,664 |
| MOHAVE COUNTY - CORP | 4,503,562 | $(446,060)$ | 32,285 | 288,751 | $(195,889)$ | 0 | $(15,810)$ | 776,232 | 4,943,070 | $(1,246,097)$ |
| NAVAJO COUNTY - CORP | 2,460,447 | $(251,299)$ | $(41,688)$ | 142,344 | $(149,060)$ | 0 | $(45,309)$ | 414,048 | 2,529,484 | 330,442 |
| PIMA COUNTY - CORP | 34,942,078 | $(2,792,049)$ | 552,241 | 2,970,482 | $(4,857,233)$ | 0 | $(809,122)$ | 5,981,242 | 35,987,639 | 37,086,399 |
| PINAL COUNTY - CORP | 14,539,408 | $(929,689)$ | 295,420 | 1,217,129 | $(690,523)$ | 0 | $(392,522)$ | 2,890,777 | 16,930,000 | 5,879,365 |
| PINAL COUNTY - DISPATCHERS | 859,697 | $(109,744)$ | 0 | 67,831 | $(55,690)$ | 0 | 0 | 175,777 | 937,872 | 629,851 |
| SANTA CRUZ COUNTY - CORP | 1,630,514 | $(165,002)$ | $(1,590)$ | 92,945 | $(86,064)$ | 0 | $(17,989)$ | 268,431 | 1,721,246 | $(157,548)$ |
| TOWN OF MARANA - dispatchers | 430,960 | $(24,446)$ | 0 | 48,667 | 0 | 0 | 0 | 102,910 | 558,092 | 387,065 |
| ORO VALLEY - DISPATCHERS | 739,609 | $(66,381)$ | 0 | 63,179 | $(68,874)$ | 0 | 0 | 145,290 | 812,823 | 812,415 |
| TOWN OF WICKENBURG-DISPATCHERS | 275,336 | $(27,706)$ | 39,860 | 21,137 | $(40,704)$ | 0 | 0 | 48,583 | 316,508 | 251,101 |
| YAVAPAI COUNTY - CORP | 6,362,141 | $(805,525)$ | 106,528 | 797,162 | $(758,881)$ | 0 | $(117,783)$ | 1,263,235 | 6,846,876 | 6,173,752 |
| YAVAPAI COUNTY - DISPATCHERS | 467,111 | $(15,549)$ | $(3,622)$ | 25,937 | $(39,444)$ | 0 | 0 | 79,937 | 514,370 | 153,319 |
| YUMA COUNTY - CORP | 8,272,129 | (750,729) | 115,943 | 542,639 | $(727,650)$ | 0 | $(74,714)$ | 1,440,276 | 8,817,896 | 2,520,894 |
| TOTALS | 1,025,685,993 | $(86,014,832)$ | 19,897,173 | 77,797,924 | $(107,086,812)$ | 0 | $(10,804,030)$ | 181,414,471 | 1,100,889,886 | 770,654,535 |

## SCHEDULE OF CHANGES IN HEALTH INSURANCE RESERVE BALANCES

FISCAL YEAR ENDED JUNE 30, 2014

| SYSTEM | $\begin{array}{r} 2013 \\ \text { BALANCES } \end{array}$ | CONTRIBUTIONS RECEIVED | SUBSIDY <br> BENEFITS | RESERVE EARNINGS | $\begin{array}{r} 2014 \\ \text { BALANCES } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ADMIN. OFFICE OF THE COURT | 4,729,375 | 1,204,069 | 309,357 | 687,470 | 6,311,556 |
| APACHE COUNTY - CORP | 128,723 | 5,842 | 213 | 17,468 | 151,820 |
| CITY OF AVONDALE - DETENTION | 17,098 | 3,461 | 0 | 2,500 | 23,059 |
| CITY OF SOMERTON - DISPATCHERS | 10,051 | 2,601 | 0 | 1,507 | 14,159 |
| COCHISE COUNTY - CORP | 497,992 | 20,094 | 13,888 | 66,545 | 570,744 |
| COCONINO COUNTY - CORP | 328,462 | 30,825 | 6,585 | 45,229 | 397,932 |
| DEPARTMENT OF CORRECTIONS - CORP | 57,091,576 | 3,768,687 | 2,161,589 | 7,688,473 | 66,387,146 |
| DEPARTMENT OF PUBLIC SAFETY | 110,043 | 24,244 | 13,227 | 15,345 | 136,406 |
| DEPARTMENT OF PUBLIC SAFETY DETENTION | 704 | 583 | 0 | 132 | 1,419 |
| DEPT OF JUVENILE CORRECTIONS-CORP | 4,900,741 | 276,627 | 197,666 | 656,061 | 5,635,764 |
| GILA COUNTY - CORP | 221,268 | 21,727 | 2,890 | 30,635 | 270,740 |
| GILA COUNTY - DISPATCHERS | 63,724 | 2,140 | 0 | 8,605 | 74,468 |
| GRAHAM COUNTY - DETENTION | 48,262 | 8,437 | 2,580 | 6,798 | 60,917 |
| GRAHAM COUNTY - DISPATCHERS | 11,985 | 1,362 | 0 | 1,682 | 15,029 |
| MARICOPA COUNTY - CORP | 11,470,651 | 865,180 | 175,692 | 1,569,085 | 13,729,224 |
| MOHAVE COUNTY - CORP | 446,060 | 30,078 | 1,733 | 61,119 | 535,525 |
| NAVAJO COUNTY - CORP | 251,299 | 14,165 | 0 | 34,313 | 299,777 |
| ORO VALLEY - DISPATCHERS | 66,381 | 3,738 | 1,200 | 8,984 | 77,903 |
| PIMA COUNTY - CORP | 2,792,049 | 192,262 | 135,403 | 374,560 | 3,223,468 |
| PINAL COUNTY - CORP | 929,689 | 91,293 | 6,370 | 129,102 | 1,143,713 |
| PINAL COUNTY - DISPATCHERS | 109,744 | 3,994 | 0 | 14,839 | 128,577 |
| SANTA CRUZ COUNTY - CORP | 165,002 | 8,289 | 0 | 22,463 | 195,753 |
| TOWN OF MARANA - DISPATCHERS | 24,446 | 2,372 | 0 | 3,404 | 30,221 |
| TOWN OF WICKENBURG-DISPATCHERS | 27,706 | 1,420 | 0 | 3,774 | 32,899 |
| YAVAPAI COUNTY - CORP | 805,525 | 53,335 | 4,567 | 110,212 | 964,504 |
| YAVAPAI COUNTY - DISPATCHERS | 15,549 | 1,758 | 0 | 2,182 | 19,488 |
| YUMA COUNTY - CORP | 750,729 | 42,661 | 4,603 | 102,224 | 891,009 |
| TOTALS | 86,014,832 | 6,681,242 | 3,037,563 | 11,664,710 | 101,323,221 |

SCHEDULE OF CHANGES IN EMPLOYER EARNINGS DISTRIBUTION

| SYSTEM | $\begin{array}{r} 2013 \\ \text { EMPLOYER } \\ \text { RESERVE } \end{array}$ | $\begin{gathered} 2014 \\ \text { EMPLOYER } \\ \text { RESERVE } \end{gathered}$ | $\begin{gathered} 2013 \\ \text { MEMBER } \\ \text { RESERVE } \end{gathered}$ | $\begin{gathered} 2014 \\ \begin{array}{c} \text { MEMBER } \\ \text { RESERVE } \end{array} \end{gathered}$ | $\begin{aligned} & \text { COMBINED } \\ & \text { RESERVES } \end{aligned}$ | $\begin{aligned} & \text { MEAN } \\ & \text { BALANCE } \end{aligned}$ | FACTOR | INVESTMENT EARNINGS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ADMIN. OFFICE OF THE COURT | 202,586,011 | 201,278,744 | 74,745,785 | 79,115,789 | 557,726,329 | 139,431,582 | 20.46394\% | 37,124,545 |
| APACHECOUNTY-CORP | 986,156 | 812,114 | 283,815 | 299,822 | 2,381,907 | 595,477 | 0.08740\% | 158,549 |
| CIIY OF AVONDALE - DETENTION | 522,673 | 577,435 | 337,426 | 343,003 | 1,780,537 | 445,134 | 0.06533\% | 118,520 |
| CITY OF SOMERTON - DISPATCHERS | 262,509 | 252,502 | 114,003 | 127,536 | 756,550 | 189,138 | 0.02776\% | 50,359 |
| COCHISE COUNTY - CORP | 3,681,538 | 3,032,948 | 1,250,828 | 1,316,316 | 9,281,629 | 2,320,407 | 0.34056\% | 617,823 |
| COCONINO COUNTY - CORP | 4,155,664 | 3,945,731 | 1,819,235 | 1,829,560 | 11,750,190 | 2,937,548 | 0.43113\% | 782,141 |
| DEPARTMENT OF CORRECTIONS - CORP | 551,076,903 | 475,239,198 | 202,483,646 | 205,305,723 | 1,434,05,471 | 358,526,368 | 52.61980\% | 95,459,924 |
| DEPARTMENT OF PUBLIC SAFETY | 5,089,845 | 5,277,010 | 2,484,062 | 2,426,453 | 15,277,370 | 3,819,342 | 0.56055\% | 1,016,924 |
| DEPARTMENT OF PUBLLCSAFETY DETENTION | $(6,783)$ | $(4,525)$ | 14,523 | 32,335 | 35,550 | 8,888 | 0.00130\% | 2,366 |
| DEPT OF JUVENLLE CORRECTIONS-CORP | 47,149,445 | 39,204,534 | 12,787,620 | 12,786,702 | 111,928,301 | 27,982,075 | 4.10684\% | 7,450,405 |
| GILA COUNTY - CORP | 2,336,997 | 2,240,419 | 1,098,027 | 1,202,364 | 6,877,807 | 1,719,452 | 0.25236\% | 457,815 |
| GILA COUNTY - DISPATCHERS | 1,020,448 | 869,743 | 248,575 | 225,464 | 2,364,230 | 591,058 | 0.08675\% | 157,373 |
| GRAHAM COUNTY - DETENTION | 1,272,894 | 1,148,039 | 519,156 | 488,431 | 3,428,520 | 857,130 | 0.12580\% | 228,216 |
| GRAHAM COUNTY - DISPATCHERS | 277,649 | 277,103 | 143,320 | 146,164 | 844,236 | 211,059 | 0.03098\% | 56,196 |
| MARICOPA COUNTY - CORP | 129,791,052 | 117,995,285 | 55,309,966 | 59,660,474 | 362,756,776 | 90,689,194 | 13.31017\% | 24,146,574 |
| MOHAVE COUNTY - CORP | 4,503,562 | 4,166,839 | 1,401,210 | 1,589,808 | 11,661,418 | 2,915,354 | 0.42788\% | 776,232 |
| NAVAJO COUNTY - CORP | 2,460,447 | 2,115,435 | 811,939 | 832,471 | 6,220,293 | 1,555,073 | 0.22823\% | 414,048 |
| PIMA COUNTY - CORP | 34,942,078 | 30,006,397 | 12,535,935 | 12,372,473 | 89,856,882 | 22,464,221 | 3.29700\% | 5,981,242 |
| PINAL COUNTY - CORP | 14,539,408 | 14,039,223 | 7,344,877 | 7,504,976 | 43,428,484 | 10,857,121 | 1.59347\% | 2,890,777 |
| PINAL COUNTY - DISPATCHERS | 859,697 | 762,095 | 485,814 | 533,119 | 2,640,725 | 660,181 | 0.09689\% | 175,777 |
| SANTA CRUZ COUNTY - CORP | 1,630,514 | 1,452,815 | 462,031 | 487,316 | 4,032,676 | 1,008,169 | 0.14797\% | 268,431 |
| TOWN OF MARANA - DISPATCHERS | 430,960 | 455,182 | 311,791 | 348,097 | 1,546,031 | 386,508 | 0.05673\% | 102,910 |
| ORO VALLEY - DISPATCHERS | 739,609 | 667,533 | 371,434 | 404,133 | 2,182,709 | 545,677 | 0.08009\% | 145,290 |
| TOWN OF WICKENBURG-DISPATCHERS | 275,336 | 267,924 | 107,470 | 79,143 | 729,874 | 182,468 | 0.02678\% | 48,583 |
| YAVAPAI COUNTY - CORP | 6,362,141 | 5,583,642 | 3,358,258 | 3,673,682 | 18,977,723 | 4,744,431 | 0.69633\% | 1,263,235 |
| YAVAPAI COUNTY- DISPATCHERS | 467,111 | 434,433 | 142,779 | 156,583 | 1,200,905 | 300,226 | 0.04406\% | 79,937 |
| YUMA COUNTY - CORP | 8,272,129 | 7,377,620 | 2,920,501 | 3,067,182 | 21,637,432 | 5,409,358 | 0.79391\% | 1,440,276 |
| TOTALS | 1,025,685,993 | 919,475,417 | 383,894,028 | 396,355,115 | 2,725,410,554 | 681,352,638 | 100.00000\% | 181,414,471 |

## PARTICIPATING EMPLOYERS

DEPARTMENT OF CORRECTIONS
DEPARTMENT OF JUVENILE CORRECTIONS
DEPARTMENT OF PUBLIC SAFETY - DISPATCHERS
DEPARTMENT OF PUBLIC SAFETY - DETENTION

CITY OF AVONDALE - DETENTION OFFICERS

APACHE COUNTY - AOC
COCHISE COUNTY - AOC
COCONINO COUNTY - AOC
GILA COUNTY - AOC
GRAHAM COUNTY - AOC
GREENLEE COUNTY - AOC
LA PAZ COUNTY - AOC
MARICOPA COUNTY - AOC
MOHAVE COUNTY - AOC
NAVAJO COUNTY - AOC
PIMA COUNTY - AOC
PINAL COUNTY - AOC
SANTA CRUZ COUNTY - AOC
YAVAPAI COUNTY - AOC
YUMA COUNTY - AOC

APACHE COUNTY - DETENTION OFFICERS COCHISE COUNTY - DETENTION OFFICERS COCONINO COUNTY - DETENTION OFFICERS GILA COUNTY - DETENTION OFFICERS

GILA COUNTY - DISPATCHERS
GRAHAM COUNTY - DETENTION OFFICERS
GRAHAM COUNTY - DISPATCHERS
MARICOPA COUNTY - DETENTION OFFICERS
MOHAVE COUNTY - DETENTION OFFICERS
NAVAJO COUNTY - DETENTION OFFICERS
PIMA COUNTY - DETENTION OFFICERS
PINAL COUNTY - DETENTION OFFICERS
PINAL COUNTY - DISPATCHERS
SANTA CRUZ COUNTY - DETENTION OFFICERS
YAVAPAI COUNTY - DETENTION OFFICERS
YAVAPAI COUNTY - DISPATCHERS
YUMA COUNTY - DETENTION OFFICERS
CITY OF SOMERTON - DISPATCHERS
TOWN OF MARANA - DISPATCHERS
TOWN OF ORO VALLEY - DISPATCHERS
TOWN OF WICKENBURG - DISPATCHERS

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