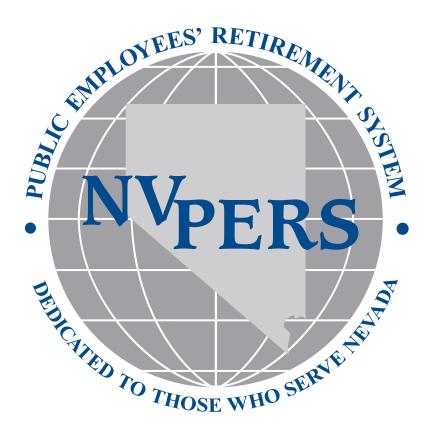
# COMPREHENSIVE ANNUAL FINANCIAL REPORT of the PUBLIC EMPLOYEES' RETIREMENT SYSTEM of NEVADA

A COMPONENT UNIT of the STATE of NEVADA



For the Fiscal Year Ended June 30, 2011

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# A COMPONENT UNIT of the STATE of NEVADA

For the Fiscal Year Ended June 30, 2011

> Dana K. Bilyeu Executive Officer

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www.nvpers.org



**Prepared by PERS Staff** 

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# **MISSION STATEMENT**

It is the mission of the Public Employees' Retirement System to:

- Provide public workers and their dependents with a retirement program that provides a reasonable base income for retirement or for periods where a disability has removed a worker's earning capacity.
- Encourage those workers to enter into and remain in government service for such periods of time to give public employers and the people of the State of Nevada the full benefit of their training and experience.

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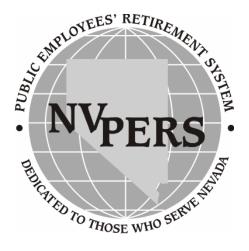
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# **INTRODUCTORY SECTION**

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December 1, 2011

Dear Chairman and Members of the Board:

It is a pleasure to present the Comprehensive Annual Financial Report (CAFR) of the Public Employees' Retirement System of Nevada (System or PERS), a component unit of the State of Nevada, for the fiscal year ended June 30, 2011.

The financial statements included in this report are the responsibility of the System's management and have been prepared in accordance with generally accepted accounting principles as promulgated or adopted by the Governmental Accounting Standards Board (GASB). In management's opinion, the financial statements present fairly the financial position of the System at June 30, 2011, and changes in fiduciary net assets for the year then ended.

The System was established by the Nevada Legislature in 1947. By July 1, 1949, the System had approximately 3,000 members and 64 retirees. At the end of fiscal year 2011, the System had 181 participating employers, 99,911 active members, and 46,578 retirees and beneficiaries. The System is comprised of two sub-funds, Regular, consisting of members who are not police or fire employees, and Police and Firefighters (Police/Fire). The Regular sub-fund was established to provide retirement, disability, and survivor benefits for public employees with the exception of those who are police officers or firefighters. The Police/Fire sub-fund was established to segregate accounting for retirement and survivor benefits related to members who are police officers or firefighters. All services provided by staff are performed in order to meet those objectives. For more specific information on plan provisions, please refer to the Plan Summary, beginning on page 117.

Included in the Financial Section of this CAFR, beginning on page 24, is Management's Discussion and Analysis (MD&A). Users of the financial statements are encouraged to review the MD&A, which contains a statement overview, highlights for the year, and a short analysis of the statements comparing the current and previous year.

We hope that you and the members of the System will find this CAFR helpful in understanding your public employees' retirement system.

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#### **INTRODUCTORY SECTION**

### **Major Initiatives**

### Legislation

In preparation for the 2011 legislative session, the Public Employees' Retirement Board (Retirement Board or Board) commissioned an analysis and comparison of defined benefit and defined contribution retirement plans by The Segal Company. The study results were presented to the Board at their December 2010 meeting and adopted by the Board to ensure that correct, concise information as to the costs, benefits, and transition considerations were provided before possible legislation was introduced.

The Board's adopted legislative agenda for the 2011 session was very successful overall. In the challenging economic environment the System was successful in having the State incorporate the contribution rate increase into the proposed budget with no objections. Given the fiscal environment and the Board's funding policy, the Board adopted a very conservative outlook and agenda for the session. There were no bills that proposed benefit improvements. Only one bill was opposed by the Retirement Board. Assembly Bill 67 proposed to limit the application of the employer responsibility language for erroneously reporting wages to PERS. This bill failed to pass out of the Assembly Committee on Government Affairs.

Four bills affecting Chapter 286, that were either endorsed or on which the Board was neutral, became law as a result of the 2011 legislative session. Assembly Bill 117 allowed school districts to implement a furlough program holding the retirement credit accrued harmless. Assembly Bill 405 required the Interim Retirement and Benefits Committee to perform a study on PERS utilizing the System's independent actuary should certain funding thresholds be met. A final report is due to the Legislative Commission by December 31, 2012, with any proposals for legislative changes for the 2013 legislative session. Assembly Bill 464 corrects language in the NRS as requested by the Legislative Counsel Bureau but did not change the meaning of the statutes. Assembly Bill 477 was the System's technical legislation for compliance with the Internal Revenue Code.

#### System Governance

During this past year the Board completed a self-assessment process with the assistance of executive staff and a consultant. The Board also completed a review of compliance with the governance charters. The report concluded that the Retirement Board and staff have demonstrated a high degree of compliance with verifiable provisions of the governance charters.

#### Communications

Staff enhanced the use of the three communication programs established last year (Employer Advisory Council, Employee Advisory Council, and Retiree Ambassadors) to provide regular updates with news of the legislative session and the System generally. In addition, the Retiree Ambassador program has been extremely successful as a way to interact with interested retirees and to provide education to them on the positive economic impact of the System on their communities and the State as a whole. Retirees from all over the State have graduated from the program and encourage their fellow retirees to participate in the program as well.

#### **Operational Initiatives**

Operations of the System are conducted in accordance with the Operational Yearly Plan. This plan is designed to organize all agency functions by department and to ensure that all duties are performed within the fiscal year. The System's performance, in part, is measured by total member and retiree workload. Between July 1, 2010, and June 30, 2011, staff completed approximately 74,000 pieces of work. Of this group, 55,000 were directly related to customer requests, such as benefit estimates and purchase of service estimates, with 19,000 relating to back office support. Approximately 95% of all work was performed within the ten working days benchmark.

Benefit payments to approximately 46,000 retirees and beneficiaries were made within our benchmark of four working days before the end of the month. During this fiscal year, staff completed 3,694 one-fifth of a year purchases for educational employees and 682 service credit audits for the Public Employees' Benefits Program (PEBP).

Staff implemented a new wage and contribution reporting function which allows public employers to report their PERS ineligible employees, used for testing compliance with appropriate enrollment rules. Employers will provide the total number of hours worked and the wages earned for ineligible employees. This additional information will allow staff to assist the public employers with determining if the ineligible employees are working in positions that may be eligible for membership. PERS staff provided extensive training to non-choice (only one contribution plan available) public employers in the use of electronic enrollment. A total of 84 agencies now use this process to enroll their new hires into PERS, including our largest public employer.

The 7<sup>th</sup> Annual Liaison Officer Conference was held in Reno on November 17, 2010. Public employers from across the state attended this one-day conference. The conference included a morning general session followed by afternoon breakout sessions organized by agency type. Reviewing the conference attendee surveys completed at the end of the conference indicated 99% of attendees rated the conference good or excellent.

PERS continued participation in a benchmarking analysis service in fiscal year 2011. The purpose of the analysis was to help PERS understand how our total administration costs and service levels compare to our peers, given the lack of in-state competition to use as a benchmark. The analysis shows that Nevada PERS provides a good level of service at a substantially lower administration cost than the peer average.

#### **Information Technology**

During fiscal year 2011, PERS completed modifications to the pension processing system in order to implement the provisions of Senate Bill 427 from the 2009 legislative session. PERS also modified the pension processing system to allow employers to report all ineligible employees. This enhances the System's ability to identify employees who meet eligibility thresholds and reemployed retirees subject to benefit suspension. Information technology staff built and replaced the existing intranet, accounting application, e-mail, and directory servers. This allows each of these servers to run at optimal performance and provides additional warranties in the case of hardware failure.

Network security continues to be a priority for PERS. The System's security consultant, along with staff, continuously monitors, documents, and attacks vulnerabilities identified. Risk assessment is one of the most critical aspects of information technology. The System's consultant assisted staff in keeping the System's networks safe and up to date.

#### **INTRODUCTORY SECTION**

#### **Strategic Planning**

Annually, PERS' executive staff reviews the System's strategic plan for updates, including both additions and deletions. The Strategic Plan covers a five-year period and is updated annually by the Executive Officer in consultation with the Board.

The Strategic Plan contains the following sections: Philosophy, Mission, Planning Process, Core Values, Organization and History, Goals and Objectives, Strategies, Internal Assessment, External Assessment, and Performance and Caseload Indicators. The Organization and History section was updated to include data from the most recent annual financial report. Language was modified in the Strategies, Internal Assessment, and External Assessment sections to update information on member communications, technology, plan design, accounting issues, and Securities and Exchange Commission projects. The Performance and Caseload Indicators were also updated. The current Strategic Plan is available on the website.

#### Summary of Financial Information

The System's management is responsible for maintaining internal controls designed to provide reasonable assurance that transactions are executed according to management's authorization, recorded to maintain accountability for assets, and to allow the preparation of financial statements in accordance with generally accepted accounting principles. The internal controls include written policies and procedures and are reviewed periodically by independent auditors and the System's internal audit staff.

Internal control over financial reporting cannot provide absolute assurance of achieving financial reporting objectives because of its inherent limitations. Internal control over financial reporting is a process that involves human diligence and compliance and is subject to lapses in judgment and breakdowns resulting from human failures. Internal control over financial reporting also can be circumvented by collusion or improper management override. Because of such limitations, there is a risk that material misstatements may not be prevented or detected on a timely basis by internal control over financial reporting. However, these inherent limitations are known features of the financial reporting process. Therefore, it is possible to design into the process safeguards to reduce, though not eliminate, this risk. We believe our internal control structure considers these risks and that we maintain a system of internal controls designed to provide reasonable assurance that assets are properly safeguarded, transactions are properly executed, and financial statements are reliable.

The Retirement Act requires a biennial financial audit of the System by a certified public accountant. The Board chooses to conduct such audits on an annual basis, rather than biennially, to ensure proper financial controls are in place. The System is also required by statute to submit a biennial budget proposal to the Budget Division of the State of Nevada, which must be incorporated with the State Executive Budget and approved by the Nevada Legislature.

The following schedule is a summary of the pension trust funds' additions and deductions for the years ended June 30:

	_	2011	2010
Additions	\$	5,797,923,427	\$ 3,469,597,861
Deductions		(1,448,938,513)	(1,333,451,852)
Increase (decrease) in net assets	\$	4,348,984,914	\$ 2,136,146,009

Additions increased approximately \$2.3 billion from fiscal year 2010, due to increases in net investment income. Deductions increased by \$115.5 million between 2010 and 2011 due in part to increases in benefit payouts of \$110.5 million, refunds of \$4.5 million, and transfer of contributions in the amount of \$1.1 million.

# Funding

The System's basic funding policy provides for periodic contributions at a level pattern of cost as a percentage of salary throughout an employee's working lifetime in order to accumulate sufficient assets to pay benefits when due. Although the System receives an annual actuarial valuation indicating the contribution rates required to fund the System on an actuarial reserve basis, contributions actually made are in accordance with the rates derived from the actuarial rates and then rounded according to statute.

The actuarial funding method used is the Entry Age Normal Cost Method. This method is used to calculate liabilities using a year-by-year closed amortization period where each amortization period is set at 30 years, in addition to other significant actuarial assumptions detailed beginning on page 81. Fiscal year 2011 funding levels are presented on page 36 in the Financial Section of this report. In addition, Required Supplemental Information on page 46 shows ten-year schedules of funding progress. The funded ratio for all members is 70.2% in 2011, a slight decrease from 70.5% in fiscal year 2010.

# **Investments**

Investment performance plays an important role in the System's ability to provide retirement benefits to its members. Approximately 80% of the benefits the average member receives in retirement are funded from investment earnings. The remaining 20% is funded from contributions. The Board's investment philosophy centers on time tested investment principles and efficient, cost-effective portfolio management.

The investment portfolio is designed to meet the funding objectives of the System while taking the least possible risk. Investment of the System's assets is governed by the prudent person standard. This standard states that the Board may invest the System's funds in every type of investment which persons of prudence, discretion, and intelligence acquire or retain for their own account.

The System's investment portfolio is well diversified by asset class, investment structure, and individual security. In fact, the System's portfolio currently holds over 5,000 individual securities from 30 different countries. The Board utilizes these portfolio components to maintain strict control of the fund's risk/return profile.

### **INTRODUCTORY SECTION**

Asset allocation is the most significant factor influencing the risk and return of the investment program. Since inception, 98% of the System's investment performance is explained by asset allocation. Determination of the fund's long-term asset allocation involves estimating the expected return and risk of major types of investments and blending them into a portfolio which meets the System's risk/return objectives.

The fair value of the System's investment assets at the end of fiscal year 2011 was \$24.8 billion. The portfolio return objective includes a premium over the Consumer Price Index (CPI). This premium has ranged from 3.0% to 4.5% over time. On that basis the total fiscal year 2011 inflation return objective was 8.1%. The System's total return on investments for that same time period was 21.1%, which includes both realized and unrealized gains. Fiscal year 2011 returns were influenced by above average returns from U.S. and non-U.S. stocks, non-U.S. fixed income and private markets.

The recent financial crisis has been the catalyst for some of the most volatile markets in history. In this environment, PERS was quite competitive versus other large public pension plans, ranking in the top 32% for return and the bottom 32% for risk. Generating returns in the top of the peer group while experiencing less volatility than the majority of those same investors is a testament to the effectiveness of the Retirement Board's investment strategy.

The fund's annualized rate of return is 9.7% since inception (27 years) versus the long-term actuarial funding objective of 8%. The fund is competitive on a risk-adjusted basis, ranking in the top 17% of public funds for that same time frame. The investment section beginning on page 56 addresses specific activity and results in the portfolio.

#### **GFOA Certificate of Achievement**

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the System for its comprehensive annual financial report for the fiscal year ended June 30, 2010 (see page 19). This was the 21st consecutive year the System has achieved this prestigious award.

In order to be awarded a Certificate of Achievement, a government unit must publish an easily readable and efficiently organized comprehensive annual financial report. This report must satisfy both generally accepted accounting principles and applicable legal requirements.

A Certificate of Achievement is valid for a period of one year only. We believe our current report continues to meet the Certificate of Achievement Program requirements and are submitting it to the GFOA for consideration again this year.

#### **PPCC Award**

The Public Pension Coordinating Council awarded the Public Pension Standards Award to the System for the fiscal year ended June 30, 2011 (see page 20). The award is designed to commend public employee retirement systems for implementing and maintaining high professional standards. PERS has received the award every year it has been offered.

#### **Professional Services**

Professional consultants are hired to perform services essential to the efficient operation of the System. The Report of Independent Auditors, Consultant's Report of Investment Activity, and the actuary's certifications are included in this report. The System's consultants are listed on pages 17 and 54.

#### **Acknowledgements**

This report reflects the combined effort of the System's administrative staff. It is intended to provide both complete and reliable information as a basis for making management decisions, determining compliance with legal provisions, and determining the responsible stewardship of assets contributed by the members and their employers.

I would like to express my appreciation to the staff, consultants, Board, and other associates whose efforts ensured the successful operation of the System in 2011.

Respectfully submitted, Dana K. Bilyeu **Executive Officer** 



### PUBLIC EMPLOYEES' RETIREMENT BOARD

Seated, from left: Rusty McAllister; Katherine Ong; and David Olsen

Standing, from left: Mark R. Vincent, Chairman; Bart T. Mangino; Chris Collins; and James Green, Vice Chairman



# **OFFICERS**

From left: Tina Leiss, Operations Officer; Dana K. Bilyeu, Executive Officer; and Ken Lambert, Investment Officer

#### ADMINISTRATIVE PERSONNEL

#### PUBLIC EMPLOYEES' RETIREMENT BOARD

Mark R. Vincent	Chairman	2014
James Green	Vice Chairman	2013
Chris Collins	Member	2014
Bart T. Mangino	Member	2013
Rusty McAllister	Member	2015
David Olsen	Member	2013
Katherine Ong	Member	2015

Terms expire on June 30 of year noted.

#### **RETIREMENT STAFF**

Dana K. Bilyeu	Executive Officer
Tina M. Leiss	Operations Officer
Ken Lambert	Investment Officer
Steve Edmundson	Assistant Investment Officer

**Division Supervisors:** 

Phyllys Dowd
Brian Snyder
Oliver Owen
Debra Thomsen
Lynette Jones

Accounting Employer & Production Services Information Technology Internal Audit Member & Retiree Services

#### LEGAL COUNSEL

Kimberly Okezie, Deputy Attorney General, Carson City, Nevada

#### MEDICAL ADVISOR

G. Bruce Nickles, M.D., Carson City, Nevada

#### POLICE AND FIREFIGHTERS' RETIREMENT FUND ADVISORY COMMITTEE

Richard Tiran	Chairman	2014
Brian Wolfgram	Vice Chairman	2012
Brian Allen	Member	2015
Bill Ames	Member	2012
Brett Fields	Member	2015

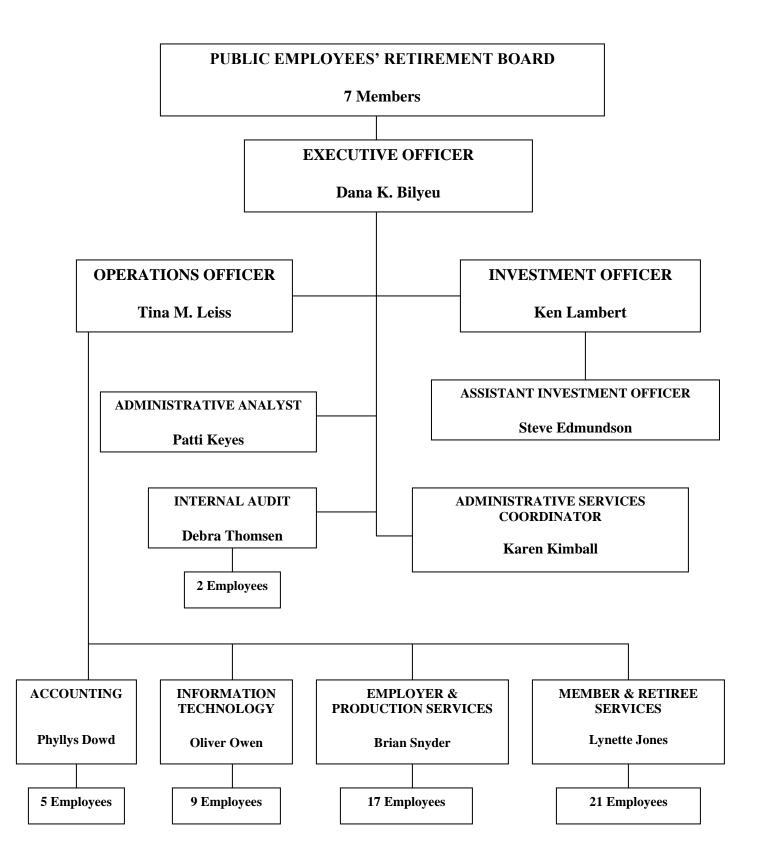
Terms expire on June 30 of year noted.

#### THE SYSTEM'S ADVISORS

Consulting Actuary – The Segal Company, San Francisco, California Independent Auditors – Clifton Gunderson LLP, Baltimore, Maryland Investment Consultant – Callan Associates, Atlanta, Georgia

Note: A list of investment professionals who provide services to PERS can be found on page 54. A schedule of fees and commissions paid to investment professionals can be found beginning on page 69.

# **ORGANIZATIONAL CHART**



# Certificate of Achievement for Excellence in Financial Reporting

Presented to

Public Employees' Retirement System of Nevada

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

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





# Public Pension Coordinating Council

# Public Pension Standards Award For Funding and Administration 2011

Presented to

# Public Employees' Retirement System of Nevada

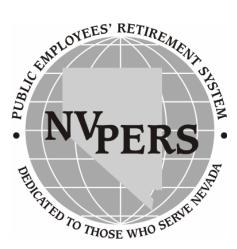
In recognition of meeting professional standards for plan funding and administration as set forth in the Public Pension Standards.

Presented by the Public Pension Coordinating Council, a confederation of

National Association of State Retirement Administrators (NASRA) National Conference on Public Employee Retirement Systems (NCPERS) National Council on Teacher Retirement (NCTR)

alan Hulinkle

Alan H. Winkle Program Administrator



# FINANCIAL SECTION

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#### **Independent Auditor's Report**

Public Employees' Retirement Board of the State of Nevada Carson City, Nevada

We have audited the accompanying financial statements of the Public Employees' Retirement System of Nevada (the System), a component unit of the State of Nevada as of and for the year ended June 30, 2011, as listed in the table of contents. These financial statements are the responsibility of the System's management. Our responsibility is to express an opinion on these financial statements based on our audit. The comparative totals for the year ended June 30, 2010 which are included for additional analysis have been derived from the Public Employees' Retirement System of Nevada's 2010 financial statements and, in our report dated December 6, 2010, we expressed an unqualified opinion on such information

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the fiduciary net assets of the System as of June 30, 2011 and the changes in its fiduciary net assets for the year then ended in conformity with accounting principles generally accepted in the United States of America.

The Management's Discussion and Analysis on pages 24 through 27 and the Schedules of Funding Progress and Employer Contributions on pages 46 and 47 are not a required part of the basic financial statements, but are supplementary information required by accounting principles generally accepted in the United States of America. We have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of the required supplementary information. However, we did not audit the information and express no opinion on it.

Our audit was made for the purpose of forming an opinion on the financial statements taken as a whole. The supplementary information included on pages 48 through 53 is for the purpose of additional analysis and is not a required part of the financial statements, and, in our opinion, is fairly stated in all material respects in relation to the financial statements taken as a whole.

The Introduction Section on pages 9 through 20, the Investment Section on pages 53 through 74, the Actuarial Section on pages 75 through 94, the Statistical Section on pages 95 through 114 and the Plan Summary on pages 115 through 122 have not been subjected to the auditing procedures applied in the audit of the basic financial statements, and accordingly, we express no opinion on them.

lipton Gunderson LLP

Baltimore. Maryland December 1, 2011



This Management's Discussion and Analysis (MD&A) of the financial performance of PERS provides an overview of the System's financial activities for the fiscal year ended June 30, 2011. The MD&A is designed to focus on the current year's activities, resulting changes, and currently known facts while also showing three-year trends. Readers are encouraged to consider the information presented in conjunction with the financial statements as a whole, which follow the MD&A.

The System is responsible for administering retirement, disability, and survivor benefits for Regular members (consisting of employees within the State of Nevada and local governments which include schools, counties, cities, special districts, etc.) as well as Police/Fire members throughout the state.

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

The basic financial statements consist of: (1) the Statement of Fiduciary Net Assets, (2) the Statement of Changes in Fiduciary Net Assets, (3) the Notes to the Financial Statements, and (4) the Required Supplementary Information. Other supplementary information is also presented.

The **Statement of Fiduciary Net Assets** includes all of the System's pension trust fund assets, liabilities, and the net assets available at the end of the fiscal year.

The **Statement of Changes in Fiduciary Net Assets** reports additions to and deductions from the pension trust fund during the fiscal year presented. Over time the increase or decrease in net assets serves as a useful indicator of the health of the System's financial position.

The **Notes to the Financial Statements** provide additional information that is required by generally accepted accounting principles.

The **Required Supplementary Information** following the notes to the financial statements consists of schedules and related notes on the funding progress of the defined benefit pension plan, the funding progress broken down between Regular and Police/Fire members, and a short history of contributions from employers.

**Other Supplementary Information** details administrative expenses, investment expenses, consultant and professional service expenses, in addition to Schedules of Fiduciary Net Assets and Changes in Fiduciary Net Assets broken down between Regular and Police/Fire members.

#### **Financial Highlights**

	2011	2010	2009
Total investments	\$ 24,826.3	\$ 20,516.4	\$ 18,540.1
Net investment income (loss)	4,402.4	2,059.4	(3,543.4)
Contributions	1,393.3	1,408.3	1,334.8
Benefit payments	1,412.1	1,301.6	1,189.6
Refunds of contributions	24.8	20.3	18.6
Transfers of contributions	1.5	0.4	3.8
Administrative expenses	10.5	11.1	9.7
Net assets	\$ 25,255.3	\$ 20,906.3	\$ 18,770.1
Percentage funded	70.2%	70.5%	72.5%

# As of June 30 (in millions)

#### **Financial Analysis**

Total investments for fiscal year 2011 increased by 21.0% from 2010; there was an increase of 10.7% from 2009 to 2010. Commensurately, the percentage change in investment income between 2010 and 2011 resulted in a recovery of 113.8%. The PERS investment program outperformed its actuarial goal of 8.0% and the total return objective of 20.8%. The 9.7% annualized return since inception (27 years) exceeds the actuarial objective.

The following are summary comparative statements of the System.

#### **CONDENSED STATEMENT OF FIDUCIARY NET ASSETS**

	-	As of June 30, 2011	 As of June 30, 2010	 As of June 30, 2009	Percentage Increase/ (Decrease) from 2010 to 2011
Cash and cash equivalents	\$	553,430,971	\$ 389,957,314	\$ 422,475,446	41.9 %
Receivables		203,843,591	203,958,252	189,054,729	(0.1)
Pending trades receivable		233,345,442	251,956,939	141,678,033	(7.4)
Investments, at fair value		24,826,265,268	20,516,359,658	18,540,091,760	21.0
Collateral on loaned securities,					
at fair value		3,550,013,175	2,942,675,281	1,760,287,271	20.6
Property and equipment, net		3,315,213	4,289,301	4,896,423	(22.7)
Other assets	_	2,120,259	 2,053,010	 1,962,283	3.3
Total assets	_	29,372,333,919	 24,311,249,755	 21,060,445,945	20.8
Accounts payable and accrued expenses		12,059,039	11,205,817	13,385,742	7.6
Pending trades payable		485,608,284	372,683,783	429,255,245	30.3
Obligations under securities				-, -, -, -	
lending activities		3,619,398,577	3,021,077,050	1,847,667,862	19.8
Total liabilities	-	4,117,065,900	 3,404,966,650	 2,290,308,849	20.9
Net assets held in trust for pension benefits	\$	25,255,268,019	\$ 20,906,283,105	\$ 18,770,137,096	20.8 %

While the investment portfolio is recovering, contributions decreased between 2010 and 2011 by 1.1% as compared to 2009 and 2010, which increased 5.5%. Breaking this down into its components reveals that employer contributions declined by 1.3% between 2010 and 2011. Employee contributions declined 2.7%. Nevada continues to lead the nation in unemployment and many public employers have left vacancies unfilled or laid off staff. These vacancies have caused overall contribution income paid to the System to decline. Repayments and purchases of service declined by 4.4% between 2009 and 2010 but increased 17.3% between 2010 and 2011.

_	2011	2010	2009	Percentage Increase/ (Decrease) from 2010 to 2011
Contributions \$	1,393,340,781 \$	1,408,288,940 \$	1,334,832,060	(1.1) %
Investment net income (loss)	4,402,393,135	2,059,377,798	(3,543,425,973)	113.8
Other income	2,189,511	1,931,123	2,430,401	13.4
Total additions	5,797,923,427	3,469,597,861	(2,206,163,512)	67.1
Benefit payments Refunds of contributions	1,412,115,819 24,754,580	1,301,633,191 20,270,764	1,189,620,073 18,581,557	8.5 22.1
Transfer of contributions	1,488,115	429,264	3,791,831	246.7
Administrative expenses	10,471,805	11,118,417	9,710,115	(5.8)
Other expenses	108,194	216	4,348	-
Total deductions	1,448,938,513	1,333,451,852	1,221,707,924	8.7
Net increase (decrease)	4,348,984,914	2,136,146,009	(3,427,871,436)	103.6
Net assets, beginning of year	20,906,283,105	18,770,137,096	22,198,008,532	11.4
Net assets, end of year \$	25,255,268,019 \$	20,906,283,105 \$	18,770,137,096	20.8 %

### CONDENSED STATEMENTS OF CHANGES IN FIDUCIARY NET ASSETS For the Years Ended June 30,

Refunds of contributions increased 22.1% between 2010 and 2011, compared to a 9.1% increase in refunds between 2009 and 2010. Members no longer employed in a position eligible for membership in the System, who are eligible for a refund, may apply for a refund of contributions, making this number unpredictable from year to year.

Benefit payments rose 8.5% between 2010 and 2011 as compared to an increase of 9.4% in 2010 from 2009. The increase in 2011 may largely be attributed to early retirement incentive programs offered by employers. These programs resulted in a significant number of eligible members retiring during the year.

Tranfers of contributions consist of contributions associated with judges who choose to transfer from PERS to the Judicial Retirement System (JRS). The percentage increase of transfers of contributions from 2010 to 2011 was 246.7%. Similar to refund requests, the transfers of members and associated contributions from PERS to JRS are unpredictable from year to year. For example, in fiscal year 2010 \$0.4 million was transferred, while in fiscal year 2011 \$1.5 million was transferred.

All of the above factors contributed to the fiscal year 2011 net assets held in trust for pension benefits increasing by 20.8% from 2010. The majority of this increase is due to the recovery of the financial markets. This is the second year in a row the System has increased its net assets.

# STATEMENT OF FIDUCIARY NET ASSETS

June 30, 2011

(With Comparative Totals for June 30, 2010)

ASSETS	2011	-	2010
Cash and cash equivalents	\$ 553,430,971	\$	389,957,314
Receivables:			
Contributions receivable	103,286,037		106,390,406
Pending trades receivable	233,345,442		251,956,939
Accrued investment income	100,557,554	-	97,567,846
Total receivables	437,189,033	-	455,915,191
Investments, at fair value:			
Fixed income securities	6,873,746,896		6,184,214,644
Marketable equity securities	10,059,148,942		7,833,430,243
International securities	5,921,962,844		5,069,365,796
Mortgage loans	1,761		4,378
Real estate	1,234,533,004		853,999,874
Private equity	736,871,821	-	575,344,723
Total investments	24,826,265,268		20,516,359,658
Collateral on loaned securities, at fair value	3,550,013,175		2,942,675,281
Property and equipment	36,187,465		35,321,293
Accumulated depreciation	(32,872,252)		(31,031,992)
Net property and equipment	3,315,213	-	4,289,301
Other assets	2,120,259	-	2,053,010
Total plan assets	29,372,333,919	-	24,311,249,755
LIABILITIES			
Accounts payable and accrued expenses	12,059,039		11,205,817
Pending trades payable	485,608,284		372,683,783
	497,667,323	-	383,889,600
Obligations under securities lending activities	3,619,398,577	-	3,021,077,050
Total plan liabilities	4,117,065,900	-	3,404,966,650
Net assets held in trust for pension benefits	\$ 25,255,268,019	\$	20,906,283,105
(A schedule of funding progress is presented on page 46)		-	

(A schedule of funding progress is presented on page 46)

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

# STATEMENT OF CHANGES IN FIDUCIARY NET ASSETS

For the Year Ended June 30, 2011 (With Comparative Totals For the Year Ended June 30, 2010)

ADDITIONS	_	2011		2010
Contributions:				
Employer	\$	1,264,759,603	\$	1,281,714,847
Plan members		97,033,824		99,683,851
Repayment and purchase of service		31,547,354		26,890,242
Total contributions	_	1,393,340,781		1,408,288,940
Investment income:				
Net appreciation in fair value of investments		3,677,504,441		1,409,908,664
Interest		320,071,837		314,391,003
Dividends		331,649,922		281,945,413
Other investment income		77,269,719		66,326,682
	_	4,406,495,919		2,072,571,762
Less investment fees and other expense	_	(25,819,145)		(23,898,938)
Net investment income		4,380,676,774		2,048,672,824
Securities lending income		16,618,262		2,637,159
Change in fair value of securities lending		9,016,367		8,978,822
Less securities lending expense		(3,918,268)		(911,007)
Net securities lending income	_	21,716,361		10,704,974
Total net investment income		4,402,393,135		2,059,377,798
Other income	_	2,189,511		1,931,123
Total additions	_	5,797,923,427		3,469,597,861
DEDUCTIONS				
Benefit payments:				
Retirement and survivor benefits		1,340,228,741		1,236,168,061
Disability		71,862,868		65,448,334
Post-retirement increases		24,210		16,796
Refunds of contributions		24,754,580		20,270,764
Transfer of contributions		1,488,115		429,264
Administrative expenses		10,471,805		11,118,417
Other expenses	_	108,194		216
Total deductions		1,448,938,513		1,333,451,852
Increase in net assets		4,348,984,914		2,136,146,009
Net assets held in trust for pension benefits:				
Beginning of year	_	20,906,283,105	1	8,770,137,096
End of year	\$_	25,255,268,019	\$2	0,906,283,105

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

### NOTE 1 – Summary of Significant Accounting Policies and Plan Asset Matters

#### Financial Reporting Entity

The Board is the governing body of the System with responsibility for administration and management. This autonomous, seven-member Board is appointed by the Governor of the State of Nevada.

The System has developed criteria in accordance with standards issued by GASB to determine whether other state agencies, boards, and commissions, which benefit the members of the System, should be included within its financial reporting entity as component units. A component unit is defined as a legally separate organization for which officials of the System are financially accountable. In addition, component units can be other organizations for which the nature and significance of their relationship with the System are such that exclusion would cause the System's financial statements to be misleading or incomplete.

In accordance with GASB, the following criteria are used when evaluating financial accountability: The ability of the System to appoint a voting majority of the organization's governing body and (1) the ability to impose its will on the other organization or (2) the potential for the organization to provide specific financial benefits to or impose specific financial burdens on the System. In addition, the System may be financially accountable if an organization is fiscally dependent on the System regardless of whether the organization has a separately elected governing board, a governing board appointed by a higher level of government, or a jointly appointed board.

The System has no relationship with another entity that meets the above criteria and has not included any other entity as a component unit of its financial reporting entity.

The System is classified as a component unit of the State of Nevada for financial reporting purposes in accordance with the provisions of GASB because the State Legislature retains certain significant governing powers over the System.

#### **Basis of Accounting**

The System uses the economic resources measurement focus and the accrual basis of accounting. Revenues are recorded in the accounting period in which they are earned and become measurable. Per statute, employee and employer contributions are recognized in the reporting period for which they are due. Expenses are recorded when the corresponding liabilities are incurred, regardless of when payment is made. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan.

Unfunded portions of actuarially determined liabilities for retirement benefits are not recorded in the financial statements.

#### Organization

The System is comprised of two sub-funds.

<u>Regular sub-fund</u> – Established to provide retirement, disability, and survivor benefits for public employees with the exception of those who are police officers or firefighters.

<u>Police/Fire sub-fund</u> – Established to segregate accounting for benefits related to members who are police officers or firefighters.

Assets of the System can legally be used to pay both Regular or Police/Fire beneficiaries.

#### Cash, Cash Equivalents, and Derivatives

Cash and cash equivalents (other short-term investments) include cash on deposit and highly liquid financial instruments with original maturities of one year or less.

Derivatives are instruments (securities or contracts) whose value is dependent on such things as stock or bond prices, interest rate levels or currency exchange rates, and are reported at fair value. The types of derivatives used and limits on their use are defined in the System's Investment Objectives and Policies. Only foreign currency forward contracts are permitted to reduce foreign currency risk. All other derivatives are prohibited within the Fund.

#### Contributions Receivable

No allowance for doubtful accounts has been established since the System anticipates no material collection loss with respect to contribution receivables.

#### Benefits Payable

Benefits are paid during the month they are due; therefore, no benefit payable is recorded each month or at year-end.

#### Federal Income Tax

The System is a qualified pension plan under Section 401a of the Internal Revenue Code (IRC) and, as such, is required to withhold federal income tax from member and benefit recipient payments in accordance with IRC. As a public entity, the System is not required to file a federal income tax return with the Internal Revenue Service.

#### Investments

The Regular sub-fund and the Police/Fire sub-fund are accounted for separately, based upon actual funds contributed and an allocation of the combined investment earnings. Individual investments are not specifically identified as belonging to either the Regular sub-fund or the Police/Fire sub-fund.

Plan investments are reported at fair value. Fair value is defined as the price at which an asset passes from a willing seller to a willing buyer. It is assumed that both buyer and seller are rational and have a reasonable knowledge of relevant facts. Securities traded on national or international exchanges are valued at the last reported sales price at current exchange rates. The fair value of real estate investments is based on estimated current values and Member Appraisal Institute (MAI) independent appraisals. For private equity partnership investments, estimated fair value is determined in good faith by the general partner of the respective investment partnership. In addition, each partnership undergoes an independent audit on an annual basis.

Investment purchases and sales are recorded as of the trade date. Dividend income is recognized on the exdividend date. Investment income is recognized as earned. Net appreciation (depreciation) is determined by calculating the change in fair value of investments between the beginning of the fiscal year and the end of the fiscal year, less purchases of investments at cost, plus sales of investments at fair value.

There are certain market risks, credit risks, foreign exchange currency risks, or event risks which may subject the System to economic changes occurring in certain industries, sectors, or geographies.

The System's investment assets in the Investment Section are presented on the same basis of accounting described here except that assets in the Investment Section exclude unrealized gains/losses related to securities lending. Unrealized losses from securities lending cash collateral investment activities in certain securities, including Lehman Brothers Holdings Inc., have been recognized on the financial statements. However, securities lending management and performance practice is for the loss to be recorded upon the settlement of the impaired asset, which in the case of Lehman Brothers Holdings Inc. will be upon completion of bankruptcy proceedings. In addition, during fiscal year 2009, the System created a securities lending reserve account funded by securities lending income earned during the year. This reserve will be used to mitigate losses upon settlement.

#### Property and Equipment

Property and equipment consists of furniture, equipment, computer hardware, and software at cost with accumulated depreciation. Assets are capitalized when the expected life is greater than one year and the initial cost is \$5,000 or more per unit. Intangible assets are capitalized for the development stage only (design, configuration, installation, and testing). Depreciation is calculated using the straight-line depreciation method over five years. The term "depreciation" includes amortization of intangible assets.

#### Administrative Expenses

The funds for administering the System are provided by assessment of an administrative fee for each member and benefit recipient. Monthly fees at June 30, 2011, were \$3.10 for each Regular member and benefit recipient and \$3.27 for each Police/Fire member and benefit recipient. PERS is required by statute to submit a biennial budget proposal to the Budget Division of the State of Nevada, which must be incorporated with the State Executive Budget and approved by the Nevada Legislature.

#### Financial Statement Presentation

Comparative data shown for the prior year has been extracted from the June 30, 2010, financial statements. Securities lending income and expense have been reclassified for comparability with fiscal year 2011. Fiscal year 2010 data has been presented to facilitate financial analysis but is not considered full disclosure of transactions for that year.

The System accounts for securities using the "country of issue" methodology. Under this methodology, regardless of the manager's directive, if a manager invests funds and the underlying country of issue for the security is not the United States, then the security is classified as international.

#### New Accounting Pronouncement

During the year ended June 30, 2011, the System adopted GASB Statement No. 59, Financial Instruments Omnibus, which was issued to update and improve existing standards regarding financial reporting and disclosure requirements of certain financial instruments.

### **NOTE 2 – Plan Description**

#### History and Purpose

PERS administers a cost-sharing, multiple-employer, defined benefit public employees' retirement system which includes both Regular and Police/Fire members. The System was established by the Nevada Legislature in 1947, effective July 1, 1948. The System is administered to provide a reasonable base income to qualified employees who have been employed by a public employer and whose earning capacities have been removed or substantially impaired by age or disability.

#### Membership

At June 30, 2011, the number of participating public employers and active members were:

E	Number of	Number of
Entity Type	Employers	Members
State of Nevada and Related Agencies	21	16,848
University of Nevada System	2	3,668
Schools	45	45,677
Counties	16	12,163
Cities	19	8,871
Hospitals	7	3,917
Utility, Irrigation, and Sanitation Districts	19	747
Special Districts and Agencies	52	8,020
	181	99,911

Please see pages 110-112 for a complete list of participating employers.

Any public employer in the State of Nevada may have its Regular or Police/Fire employees covered by the System. Retired, active, and inactive membership at June 30 was as follows:

	2011	2010
Regular retired members:		
Service retirees	36,123	34,047
Beneficiaries and survivors	4,552	4,353
	40,675	38,400
Police/Fire retired members:		
Service retirees	5,136	4,794
Beneficiaries and survivors	767	725
	5,903	5,519
Total benefit recipients	46,578	43,919
Inactive members:		
Regular	11,931	11,167
Police/Fire	701	640
Total inactive members	12,632	11,807
Active members:		
Regular	87,975	90,219
Police/Fire	11,936	12,375
Total active members	99,911	102,594
Total retired, active, and inactive membership	159,121	158,320

#### Benefits

Benefits, as required by the Nevada Revised Statutes (NRS or statute), are determined by the number of years of accredited service at time of retirement and the member's highest average compensation in any 36 consecutive months with special provisions for members entering the System on or after January 1, 2010. Benefit payments to which participants or their beneficiaries may be entitled under the plan include pension benefits, disability benefits, and survivor benefits.

Monthly benefit allowances for Regular members are computed at 2.5% of average compensation for each accredited year of service prior to July 1, 2001. For service earned on and after July 1, 2001, this multiplier is 2.67% of average compensation. However, for members entering the System on or after January 1, 2010, there is only a 2.5% multiplier. The System offers several alternatives to the unmodified service retirement allowance which, in general, allow the retired employee to accept a reduced service retirement allowance payable monthly during his or her lifetime and various optional monthly payments to a named beneficiary after his or her death.

Post-retirement increases are provided by authority of NRS 286.575–.579. See Note 3 on page 37 for detail.

# Vesting

Regular members are eligible for retirement at age 65 with five years of service, at age 60 with ten years of service, or at any age with thirty years of service. Regular members entering the System on or after January 1, 2010, are eligible for retirement at age 65 with five years of service, or age 62 with ten years of service, or any age with thirty years of service.

Police/Fire members are eligible for retirement at age 65 with five years of service, at age 55 with ten years of service, at age 50 with twenty years of service, or at any age with twenty-five years of service. Police/Fire members entering the System on or after January 1, 2010, are eligible for retirement at age 65 with five years of service, or age 60 with ten years of service, or age 50 with twenty years of service, or at any age with thirty years of service. Only service performed in a position as a police officer or firefighter may be counted towards eligibility for retirement as Police/Fire accredited service.

The normal ceiling limitation on monthly benefit allowances is 75% of average compensation. However, a member who has an effective date of membership before July 1, 1985, is entitled to a benefit of up to 90% of average compensation. Both Regular and Police/Fire members become fully vested as to benefits upon completion of five years of service.

# Member Contributions

The authority for establishing and amending the obligation to make contributions, and member contribution rates, is set by statute. New hires, in agencies which did not elect the Employer-Pay Contribution (EPC) plan prior to July 1, 1983, have the option of selecting one of two contribution plans. One plan provides for matching employee and employer contributions, while the other plan provides for employer-pay contributions only. Under the matching Employee/Employer Contribution plan a member may, upon termination of service for which contribution is required, withdraw employee contributions which have been credited to their account. All membership rights and active service credit in the System are canceled upon withdrawal of contributions from the member's account. If EPC was elected, the member cannot convert to the Employee/Employer Contribution plan.

# **Termination**

Upon termination or partial termination from the System, all accrued benefits that are funded become 100% vested and nonforfeitable.

#### Additional Plan Information

See Plan Summary beginning on page 117 for additional information.

# NOTE 3 – Contributions Required and Contributions Made

The System's basic funding policy provides for periodic contributions at a level pattern of cost as a percentage of salary throughout an employee's working lifetime in order to accumulate sufficient assets to pay benefits when due.

Although the System receives an actuarial valuation on an annual basis indicating the contribution rates required to fund the System on an actuarial reserve basis, contributions actually made are in accordance with the required rates established by the Nevada Legislature. These statutory rates are increased/decreased pursuant to NRS 286.421 and 286.450.

The actuarial funding method used is the Entry Age Normal Cost Method. It is intended to meet the funding objective and result in a relatively level long-term contribution requirement as a percentage of salary. As of June 30, 2011 (date of the most recent actuarial valuation), the System's funded status (in millions) is as follows:

				Unfunde d			UAAL
Actuarial	A	ctuarial	Actuarial	Actuarial			as a %
Valuation	V	Value of	Accrued	Accrued	Ratio of	Annual	of Annual
				<b>T</b> • 1 • 1 • 1		~ -	~ -
Date		Assets	Liability	Liability	AVA	Covered	Covered
Date June 30		Assets (AVA)	Liability (AAL)	Liability (UAAL)	AVA to AAL	Covered Payroll	Covered Payroll

See Required Supplementary Information (RSI) on page 46 for a 10-year schedule of funding progress. This schedule indicates how the actuarial values of plan assets have increased or decreased over time, relative to the actuarial accrued liability (AAL) for benefits.

The unfunded actuarial accrued liability is amortized using a year-by-year closed amortization period where each amortization period is set at 30 years. This presumes each year's change in unfunded liability will be fully paid 30 years from inception.

Fiscal year 2011 employer contributions required and contributions made were as follows:

Actuarial	_	Regu	lar	Police/Fire			Total			
Valuation		Annual		Annual			Annual			
Date		Required	Percentage	Required	Percentage		Required	Percentage		
June 30		Contribution	Contributed	Contribution	Contributed		Contribution	Contributed		
2011	\$	1,057,566,978	89%	\$ 372,888,833	88%	\$	1,430,455,811	88%		

See RSI on page 47 for a 10-year schedule of employer contributions.

## **Actuarial Information**

The funding progress and employer contribution information presented above and in the RSI schedules were determined as part of the actuarial valuations at the date indicated. Additional information as of the latest actuarial valuation for the System follows:

Valuation date		June 30, 2011
Actuarial cost method		Entry age normal
Amortization method		Level percent of payroll over a year-by-year closed amortization period where each amortization period is set at 30 years
Asset valuation method		5-year smoothed market limited to not less than 70% or greater than 130% of market value of assets
Actuarial assumptions:		
Investment rate of return		8.0%
Assumed inflation rate		3.5%
Projected salary increases:	Regular Police/Fire	4.5% - 9.75% 6.5% - 14.75%
Assumed payroll growth rates:		
	Regular Police/Fire	6.5% 8.0%
Post-retirement benefit increases		For members with an effective date of membership before January 1, 2010:
		Members who retired during 1992 and earlier are assumed to receive 3.5% increases per year. Those retiring later are assumed to receive the increases below.
		<ul> <li>2.0% per year compounded following the third anniversary of benefit commencement;</li> <li>3.0% per year compounded following the sixth anniversary;</li> <li>3.5% per year compounded following the ninth anniversary;</li> <li>4.0% per year compounded following the twelfth anniversary;</li> <li>5.0% per year compounded following the fourteenth anniversary;</li> </ul>

3.5% per year compounded following the twenty-fourth anniversary.

For members with an effective date of membership on or after January 1, 2010:

2.0% per year compounded following the third anniversary of benefit commencement;
3.0% per year compounded following the sixth anniversary;
3.5% per year compounded following the ninth anniversary;
4.0% per year compounded following the twelfth anniversary;
3.5% per year compounded following the thirty-eighth anniversary.

Underlying this assumption is that CPI will grow over time at a rate of 3.50% per year.

For the fiscal year ended June 30, 2011, the System experienced an investment return of 21.1%. The actuarial valuation of assets is determined by smoothing the asset gain or loss over a five-year period. Effective with the June 30, 2009 valuation, assets were valued using five-year smoothing of investment gain/loss limited to not less than 70% or greater than 130% of the market value of assets.

#### Rates in effect for fiscal year ended June 30, 2011, were as follows:

Regular Employees	Funding Basis*	Statutory Rate
Employer-pay plan	23.63%	21.50%
Employee/employer plan (matching rate)	12.26	11.25
Police/Fire Employees		
Employer-pay plan	39.77%	37.00%
Employee/employer plan (matching rate)	20.27	19.00

\* From June 30, 2010 actuarial valuation

For fiscal year 2011 contributions totaling \$1,393,340,781 (\$1,264,759,603 employer and \$128,581,178 employee) were made in accordance with statutory rates.

The Public Employees' Retirement Act requires an adjustment in the statutory contribution rates on July 1 of each odd-numbered year, based on the actuarially determined rates indicated in the actuarial valuation report for the immediately preceding year. Rates are only adjusted upward if the new rates are more than 0.50% higher than the existing rate for Employer-Pay and more than 0.25% higher for Employee/Employer. Rates are only adjusted downward if the new rates are more than 2.00% lower than the existing rate for

Employer-Pay (and adjusted only by the amount in excess of 2.00%) and more than 1.00% lower than the existing rate for Employee/Employer (and adjusted only by the amount in excess of 1.00%). Rates are rounded to the nearest 0.25% of payroll.

Under the Employer-Pay provisions the contributions made by employers on behalf of employees are not credited to the member's account and are not refunded upon termination. For employees covered by the Employer-Pay provisions average compensation is increased by half the total contribution made by the public employer and may not be less than it would have been if contributions had been made by the member and the employer separately.

The Judicial Retirement System (JRS) was established in 2001 to provide benefits for the retirement, disability, or death of all justices of the Supreme Court and district judges. In fiscal year 2006 justices of the peace and municipal court judges began participating in JRS on a voluntary, employer-by-employer basis. Each participating individual who has service credit in PERS may transfer, subject to statutory time frames and requirements, to JRS. At the time of transfer all of the individual's contributions and the related liability to the System for that individual are moved from PERS to JRS.

## NOTE 4 – Retirement Fund Contributions of PERS' Employees

Administrative employees of PERS (as a participating employer) are members of the System. All participating public employers make contributions to the System at the same percentage of salary rate for Regular members as required by statute. Actuarially determined contribution requirements for administrative employees of the System are the same as all other employers within the System (see Note 3). Employer contributions for administrative employees were \$673,006 for the year ended June 30, 2011.

## NOTE 5 – Deposit and Investment Risk Disclosures

The investments of the System are governed primarily by the "prudent person" standard. The prudent person standard, as set forth in NRS 286.682, authorizes the Board to invest the System's funds in "every kind of investment which persons of prudence, discretion and intelligence acquire or retain for their own account." Additionally, the System has established limits on the concentration of investments in any single issuer or class of issuer or managed by a single investment firm.

The majority of the System's investments are held by the Depository Trust Company (DTC) in DTC's nominee name, and trading is conducted through DTC's book-entry system. The holder of record for the System is The Bank of New York Mellon.

## Custodial Credit Risk - Deposits

*Custodial credit risk for deposits* is the risk that, in the event of the failure of its depository financial institution, the System will not be able to recover its deposits.

At June 30, 2011, the carrying amount of the System's commercial cash deposits was \$4,811,207 and the commercial bank balance was \$10,840,051. Of the bank balance, \$250,000 was insured by the Federal Deposit Insurance Corporation (FDIC). The remaining commercial bank balance is, per a depository pledge agreement between the System and the System's commercial bank, collateralized at 102% of the

collected funds on deposit (increased by the amount of accrued but uncredited interest, reduced by deposits covered by FDIC). These collateral securities are held by the System's agent in the System's name.

Custodial cash is swept nightly from the custodial bank to an overnight short-term investment fund held outside the bank. Funds arriving at the bank after the overnight sweep deadline are part of the custodial bank cash reserve and are covered up to the FDIC limit, any amount in the cash reserve in excess of this limit is subject to custodial credit risk.

The custodial bank also carries insurance covering destruction of cash or securities on or off premises (including securities or others held in custody) with a limit of \$850,000,000.

### Credit Risk – Investments

*Credit risk for investments* is the risk that an issuer or other counterparty will not fulfill its obligations to the System and *custodial credit risk for investments* is the risk that, in the event of the failure of the counterparty to a transaction, the System will not be able to recover the value of investment or collateral securities that are in the possession of an outside party.

System policies provide protection from undue investment credit risk as follows:

- Investment in commercial paper provided it, or the guarantor, is rated A1, F1, and P1 or the equivalent by at least two of the following: Moody's, Standard & Poor's, or Fitch.
- Certificates of deposit, banker's acceptances, and time deposits are only allowed of banks with a minimum of \$10 billion in bank capital which have a quality rating of A-, A3, or better by at least two of Moody's, Standard & Poor's, or Fitch.
- Repurchase agreements with banks or dealers provided the agreement is collateralized by 102% with U.S. Treasuries or Government Sponsored Enterprise (GSE) mortgages and such collateral is delivered to the System's bank or its correspondent.
- Money market mutual funds must be SEC registered 2(a)–7 and AAA rated by at least two of Moody's, Standard & Poor's, or Fitch and whose investment guidelines are substantially equivalent to and consistent with the System's overall short-term investment criteria.
- Bonds and notes of United States corporations and asset-backed instruments must have an investment grade rating by at least two of Moody's, Standard & Poor's, or Fitch (BBB- or better by Standard & Poor's/Fitch, Baa3 or better by Moody's). Asset-backed instruments may also be warranted by counsel to be of equivalent credit quality.
- Debt issued in the United States by foreign entities located in countries in the Citigroup Non-Dollar Government Bond Index is authorized provided both interest and principal are payable in U.S. dollars and such debt is rated investment grade by at least two of Moody's, Standard & Poor's, or Fitch (BBB- or better by Standard & Poor's/Fitch, Baa3 or better by Moody's).

• To Be Announced (TBA) mortgage transactions are utilized to provide access to mortgage securities. Sufficient short-term investments must be available at all times to settle TBA transactions. Determination of broker creditworthiness and reliability is the responsibility and liability of counsel. Outstanding TBA positions with a single broker may not exceed 10% of each counsel's portfolio.

Regarding U.S. Government securities, the System carries two types, U.S. Treasury and Government Sponsored Enterprise (GSE or agency) securities. There is no risk assigned to the U.S. Treasury securities (such as Government National Mortgage Association and Small Business Administration securities) as these are explicitly guaranteed by the U.S. Government. During 2008 Federal National Mortgage Association and Federal Home Loan Mortgage Corporation were placed under conservatorship. Such government intervention secures the repayment of debt and guaranteed loans which in turn reduces systemic risk. Under the conservatorship the Federal Housing Finance Agency (FHFA) takes over the assets of and operates these entities with all of the powers of the shareholders, the directors, and the officers and conducts all business including authorizing the payment of valid obligations as outlined in the Housing and Economic Recovery Act of 2008. It is important to note, however, that the value of agency-issued securities like these fluctuate based on non-credit-related factors, such as interest-rate movements, which could cause future price declines despite government backing.

The System invests in a variety of investment securities. Investment securities by their nature are exposed to various risks such as interest rate, market, and credit risks.

Investment Type							Not		
(in millions)	AAA	AA		Α	BBB	BB	Rated		Total
Cash equivalents	\$ -	\$ -	\$	-	\$ -	\$ -	\$ 499.4	\$	499.4
Asset-backed securities	43.8	3.8		2.0	0.2	-	2.7		52.5
Collateralized mortgage obligations	123.8	22.4		18.4	28.1	1.2	24.7		218.6
Corporate bonds and other	61.7	211.7		759.9	518.4	27.6	9.8		1,589.1
Non-U.S. markets	159.9	90.7		126.4	111.1	-	1,101.4		1,589.5
U.S. Government*	17.4	 0.9	_	7.5	 -	 -	 2,982.4	_	3,008.2
Total	\$ 406.6	\$ 329.5	\$	914.2	\$ 657.8	\$ 28.8	\$ 4,620.4	\$	6,957.3

The above table does not include commercial cash of \$4.8 million and cash in custodial of \$36.4 million.

\*Quality Ratings of agency securities have been provided by the System's custodial bank, The Bank of New York Mellon. In addition, the System holds \$2,170.7 million in Treasury securities which are explicitly guaranteed by the U.S. Government.

*Concentration of credit risk* is the risk of loss attributed to the magnitude of the System's investment in a single issuer. System policy limits corporate short-term investments of any of the System's counsels to 5% of a single issuer. Each counsel's portfolio shall be suitably diversified as to assets with any single issuer (except U.S. Government obligations) or class of issuers so that an adversity affecting a particular sector will not impact a substantial share of the total portfolio.

System policy further requires bond portfolios to be suitably diversified as to assets with any single issuer (except Government Agency or Government Sponsored Enterprise-guaranteed obligations) or class of issuers so that an adversity affecting a particular sector will not impact a disproportionate share of the bond

portfolio. Corporate issuers are limited to 5% per issuer and asset-backed, commercial mortgage-backed, and private label mortgage-backed securities are limited to 5% per issuer.

Equity portfolios shall be suitably diversified to the extent that an adversity affecting a particular sector or issuer will not impact a disproportionate share of counsel's portfolio. No more than 10% of counsel's portfolio shall be invested in any one security.

In addition, no more than 10% of the System's assets shall be managed on a permanent basis by a single investment firm in active strategies. A single firm may manage up to 25% of the System's assets on a permanent basis in index strategies. No asset manager may oversee more than 25% of the System's assets. The System's assets shall not permanently constitute more than 20% of any firm's assets within the asset class (equity, bonds, real estate, or private equity) managed for PERS.

No individual asset exceeded 5% of the total portfolio during the fiscal year.

*Interest rate risk* is the risk that changes in interest rates will adversely affect the fair value of an investment or a deposit. The System mitigates interest rate risk through portfolio diversification as discussed previously. The System's investment policy and investment portfolio counsel mandates permit investment in all securities within the Barclays Aggregate Index.

If securities purchased are outside the Barclays Aggregate Index (except those issued or guaranteed by the U.S. Government or its agencies or instrumentalities), they must be of investment grade rating by at least two of the following: Moody's, Standard & Poor's, or Fitch (BBB- or better by Standard & Poor's/Fitch, Baa3 or better by Moody's).

The actual years to maturity method is used to determine investment maturity time horizons. The following table shows the fair value of fixed income and short-term securities and the applicable investment maturities as of June 30, 2011.

## **INVESTMENT MATURITIES**

(in years)

Investment Type	Less			More	
(in millions)	than 1	1 to 5	6 to 10	than 10	Total
Cash equivalents	\$ 499.4	\$ -	\$ - \$	- 4	6 499.4
Asset-backed securities	-	24.0	7.6	20.9	52.5
Collateralized mortgage obligations	-	0.5	17.5	200.6	218.6
Corporate bonds and other	17.7	612.0	522.7	436.7	1,589.1
Non-U.S. markets	28.4	785.6	374.7	400.8	1,589.5
U.S. Government	121.9	1,679.8	617.3	2,759.9	5,178.9
Total	\$ 667.4	\$ 3,101.9	\$ 1,539.8 \$	3,818.9 \$	6 9,128.0

*Foreign currency risk* is the risk that changes in exchange rates will adversely affect the fair value of an investment or a deposit. The System mitigates foreign currency risk through portfolio diversification as

discussed previously. Foreign currency forward contracts are allowed by System policy for purposes of hedging, including cross currency hedges. Leverage and highly speculative positions in currency are not permitted.

The System's exposure to foreign currency risk in U.S. dollars as of June 30, 2011, is summarized in the following table.

	Fixed						
<b>Currency Type</b>	Income		Equity	Ι	Derivatives	Cash	Total
Australian Dollar	\$ 13.9	\$	285.1	\$	0.3 \$	0.4 \$	299.7
British Pound Sterling	89.8		806.6		(1.1)	2.1	897.4
Canadian Dollar	34.9		8.8		(0.9)	1.0	43.8
Danish Krone	9.0		32.6		0.2	1.1	42.9
Euro	519.8		1,298.5		3.2	6.7	1,828.2
Hong Kong Dollar	-		99.3		-	0.5	99.8
Israeli Shekel	-		21.1		-	0.3	21.4
Japanese Yen	540.6		692.3		(4.6)	7.7	1,236.0
Malaysian Ringgit	3.0		-		-	0.3	3.3
Mexican New Peso	10.7		-		(0.5)	1.0	11.2
New Zealand Dollar	-		3.4		-	-	3.4
Norwegian Krone	3.8		54.4		-	0.6	58.8
Polish Zloty	10.0		-		0.1	0.3	10.4
Singapore Dollar	4.2		68.6		0.1	1.0	73.9
Swedish Krona	8.5		110.7		-	0.8	120.0
Swiss Franc	 3.2	_	334.8	_	(0.5)	3.2	340.7
Total	\$ 1,251.4	\$	3,816.2	\$	(3.7) \$	27.0 \$	5,090.9

## CURRENCY BY INVESTMENT AND FAIR VALUE

(in millions)

## Derivatives

Foreign exchange forward contracts are periodically employed by the System to hedge currency risk of investments in foreign currencies. No other derivatives are permitted within the System's portfolio.

Generally, derivatives are subject both to market risk and to counterparty risk. The derivatives utilized by the System typically have no greater market risk than their physical counterparts and, in many cases, are offset by exposures elsewhere in the portfolio. *Counterparty risk*, the risk that the "other party" to a contract will default, is managed by careful screening of counterparties.

Derivative securities are priced and accounted for at fair value. Foreign exchange forward contracts are valued at the price at which the transaction could be settled by offsets in the forward markets.

The System's derivative transactions for fiscal year 2011 are summarized in the following table.

#### FOREIGN EXCHANGE CONTRACTS

For Year Ended June 30, 2011

Total

							Total
				Realized		Realized	Realized
Currency		Purchases		Gain / Loss	Sells	Gain / Loss	Gain / Loss
Australian Dollar	\$	13,853,992 \$	\$	55,280 \$	(121,607,674) \$	(157,613) \$	(102,333)
British Pound Sterling		89,890,547		(48,053)	(241,381,507)	87,159	39,106
Canadian Dollar		10,484,736		45,378	(13,662,990)	(57,628)	(12,250)
Danish Krone		5,830,229		64,843	(16,740,262)	(6,639)	58,204
Euro		249,045,341		58,385	(516,916,590)	(1,939,025)	(1,880,640)
Hong Kong Dollar		28,939,085		23,607	(34,164,529)	(1,760)	21,847
Israeli Shekel		254,026		773	(9,494,445)	(35,035)	(34,262)
Japanese Yen		100,846,375		(370,046)	(336,618,770)	(611,489)	(981,535)
Malaysian Ringgit		26,235		7	-	-	7
Mexican New Peso		11,689,238		51,859	(567,636)	3,160	55,019
New Zealand Dollar		30,688		117	(1,168,105)	(4,320)	(4,203)
Norwegian Krone		21,606,128		159,499	(10,160,157)	(72,552)	86,947
Polish Zloty		1,021,190		13,147	(2,954,144)	45,734	58,881
Singapore Dollar		16,476,974		14,459	(18,393,090)	4,201	18,660
Swedish Krona		3,289,270		18,279	(43,796,560)	(249,494)	(231,215)
Swiss Franc		34,197,947		104,612	(82,393,962)	(313,247)	(208,635)
Total	\$	587,482,001 \$	\$	192,146 \$	(1,450,020,421) \$	(3,308,548) \$	(3,116,402)
	-		_				

The System's pending derivative transactions as of June 30, 2011, are summarized in the following table.

## FOREIGN EXCHANGE CONTRACTS

Pending as of June 30, 2011

Currency		Purchases	Unrealized Gain / Loss	Sells	Unrealized Gain / Loss	Total Unrealized Gain / Loss
British Pound Sterling	\$	- \$	- \$	(1,125,315) \$	28 \$	28
Danish Krone		196,667	(5)	-	-	(5)
Euro		3,591,998	(149)	(362,561)	(693)	(842)
Japanese Yen	_	-		(4,650,093)	24,062	24,062
Total	\$	3,788,665 \$	(154) \$	(6,137,969) \$	23,397 \$	23,243

Management believes that it is unlikely that any of the derivatives in the System's portfolio could have a material adverse effect on the financial condition of the System. In addition, the credit, market, or legal risks are not above and beyond those risks apparent by the nature of the type of investment for any of the securities contained within the portfolio.

## Securities Lending

The System maintains a securities lending program by authorization of NRS 286.682, the "prudent person" standard previously described. Securities loaned under this program consist of U.S. Treasury Obligations, corporate fixed income securities, international fixed income securities, equity securities, and international equity securities. Collateral received consists of cash and securities issued by the U.S. Government, its agencies, or instrumentalities. The System has no discretionary authority to sell or pledge collateral received.

At June 30, 2011, the weighted average maturities were 4 days for loans outstanding and 27 days for collateral/reinvestments. Collateral received for the lending of U.S. securities must equal at least 102% of market value, plus accrued interest in the case of fixed income securities. Collateral received for the lending of international securities must equal at least 105% of market value, plus accrued interest in the case of fixed income securities. In accordance with the System's Investment Objectives and Policies, the securities lending agent is authorized to invest collateral only in high quality, short-term investment vehicles. Risk exists if short-term investment vehicles permanently lose value to the extent they fall below the value of loan collateral.

The System has no credit risk exposure to borrowers, because the amount the System owes the borrowers exceeds the amount the borrowers owe the System. At June 30, 2011, the System had collateral, on an operational basis, of 103%. Collateral consisted of cash and securities issued by the U.S. Government, its agencies, or instrumentalities. In addition, securities loaned may not exceed 33<sup>1</sup>/<sub>3</sub>% of the total portfolio. Loss indemnification due to borrower default is provided by agents. There were no losses during the period resulting from borrower default.

The fair value of securities loaned at June 30, 2011, was \$3,515,968,584. Cash collateral received in securities lending arrangements is reported on the Statement of Fiduciary Net Assets as an asset with a related liability.

#### **NOTE 6 – Commitments and Contingencies**

The System has entered into investment funding commitments related to private markets to fund an additional \$642.2 million at some future date.

#### NOTE 7 – Risk Management

The System is exposed to various risks of loss related to theft of, damage to, and destruction of assets; injuries to employees; and court challenges to fiduciary decisions. To cover these risks, the System maintains commercial building and contents insurance, vehicle liability and collision/comprehensive insurance, general liability insurance, worker's compensation insurance, and employee fidelity bonds. For coverage included within the State of Nevada's policies (all but worker's compensation and building/contents insurance), the System pays its premium directly to the State. The System's worker's compensation and building/contents insurance are placed with private insurance companies. There have never been any insurance settlements which exceeded insurance coverage.

## **REQUIRED SUPPLEMENTARY INFORMATION**

#### SCHEDULES OF FUNDING PROGRESS 2002 to 2011 (in millions)

Actuarial Valuation Date June 30	Actuarial Value of Assets (AVA)	Actuarial Accrued Liability (AAL)	Unfunded Actuarial Accrued Liability (UAAL)	Ratio of AVA to AAL	Annual Covered Payroll	UAAL as a % of Annual Covered Payroll
2002	\$15,052.3	\$18,259.9	\$3,207.6	82.4%	\$3,417.6	93.9%
2003	15,883.0	19,540.7	3,657.7	81.3	3,595.4	101.7
2004	16,830.3	21,385.4	4,555.1	78.7	3,812.8	119.5
2005	17,886.5	23,608.7	5,722.2	75.8	4,064.0	140.8
2006	19,282.0	25,739.1	6,457.1	74.9	4,366.1	147.9
2007	21,359.0	27,671.6	6,312.6	77.2	4,769.6	132.4
2008	23,237.7	30,495.9	7,258.2	76.2	5,194.4	139.7
2009	23,971.9	33,075.2	9,103.3	72.5	5,373.1	169.4
2010	24,725.5	35,077.7	10,352.3	70.5	5,365.5	192.9
2011	25,871.1	36,876.2	11,005.1	70.2	5,214.6	211.0

					Actuarial	Value of		
	Unfun	ded	Unfunded	Actuarial	Assets as % of			
Actuarial	Actuarial A	Accrued	Accrued Li	ability as	Total A	ctuarial		
Valuation	Liability (in	millions)	% of Pa	ayroll	Accrued	Liability		
Date		Police/		Police/		Police/		
June 30	Regular	Fire	Regular	Fire	Regular	Fire		
2002	\$2,433.8	\$773.7	84.6%	143.3%	83.5%	78.1%		
2003	2,612.5	1,045.2	85.9	188.2	83.2	73.9		
2004	3,306.5	1,248.6	103.3	203.6	80.5	71.7		
2005	4,252.0	1,470.2	124.9	222.8	77.3	69.8		
2006	4,778.0	1,679.1	131.0	234.0	76.5	68.9		
2007	4,615.8	1,696.8	116.0	214.4	78.8	71.1		
2008	5,363.0	1,895.2	123.8	219.4	77.7	70.8		
2009	6,929.3	2,173.9	155.1	240.1	73.4	68.9		
2010	7,950.5	2,401.8	178.4	264.5	71.2	67.8		
2011	8,514.1	2,491.0	196.5	282.4	70.6	68.4		

Trends are affected by investment experience (favorable or unfavorable), salary experience, and changes in demographic characteristics of employees as well as the distribution of employees under Employer-Pay and Employee/Employer contribution provisions. Other factors include retirement experience. For example, the number of service retirements could be greater or less than expected for those with shorter or longer service. Changes in benefit provisions and in actuarial methods and assumptions also affect trends.

## **REQUIRED SUPPLEMENTARY INFORMATION**

## SCHEDULE OF EMPLOYER CONTRIBUTIONS 2002 to 2011

Regu	Regular		Police/Fire		al
Annual		Annual		Annual	
Required	Percentage	Required	Percentage	Required	Percentage
Contribution	Contributed	Contribution	Contributed	Contribution	Contributed
\$550,513,000	96%	\$158,694,400	96%	\$709,207,400	96%
630,511,700	89	173,194,600	94	803,706,300	90
650,105,000	100	214,378,000	86	864,483,000	99
696,686,600	100	231,962,000	88	928,648,600	100
795,295,700	97	259,810,300	91	1,055,106,000	96
861,341,800	97	279,177,100	91	1,140,518,900	96
924,842,900	96	333,828,000	85	1,258,670,900	93
993,985,400	93	346,562,200	85	1,340,547,600	90
1,030,796,200	93	358,761,400	91	1,389,557,600	92
1,057,566,978	89	372,888,833	88	1,430,455,811	88
	Annual Required Contribution \$550,513,000 630,511,700 650,105,000 696,686,600 795,295,700 861,341,800 924,842,900 993,985,400 1,030,796,200	Annual Required ContributionPercentage Contributed\$550,513,00096%\$550,513,00096%\$630,511,70089\$650,105,000100\$696,686,600100795,295,70097\$861,341,80097924,842,90096993,985,400931,030,796,20093	Annual Required ContributionAnnual Percentage ContributedAnnual Required Contribution\$550,513,00096%\$158,694,400\$550,513,00096%\$158,694,400630,511,70089173,194,600650,105,000100214,378,000696,686,600100231,962,000795,295,70097259,810,300861,341,80097279,177,100924,842,90096333,828,000993,985,40093346,562,2001,030,796,20093358,761,400	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

## SCHEDULE OF ADMINISTRATIVE EXPENSES For the Year Ended June 30, 2011 (GAAP Basis)

Personnel services:		
Staff payroll and benefits	\$ 4,841,939	
Board fees	16,240	
Total personnel services		\$ 4,858,179
Out-of-state travel:		
Staff	18,276	
Board	3,960	
Total out-of-state travel		22,236
In-state travel:		
Staff	33,429	
Board	22,005	
Police/Fire committee	945	
Total in-state travel		56,379
Operating:		
Office supplies	16,277	
Equipment less than \$1,000	698	
Postage and freight	287,655	
Communications	43,796	
Printing	258,458	
Publications and periodicals	1,400	
Bonds and insurance premiums	11,175	
Contract services	819,921	
Vehicle expense	2,477	
Equipment rental and repair	18,387	
Building rental	297,873	
License and fees	2,335	
Client communication	91,241	
Dues and registration	32,211	
Medical expenses	29,167	
Host expense	1,032	
Litigation expense	96,132	
Total operating		2,010,235
Equipment and office furniture, net		5,094
Information technology, net		3,410,730
Training		42,550
Attorney General allocation		66,402
Total administrative expenses		\$

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## **OTHER SUPPLEMENTARY INFORMATION**

#### SCHEDULE OF ADMINISTRATIVE EXPENSES

For the Year Ended June 30, 2011 (Non-GAAP Budgetary Basis) Budget vs. Actual

			variance
	Actual		Under
Budget	Expenditures		(Over)
5,136,088	\$ 4,818,107	\$	317,981
38,511	22,236		16,275
82,394	56,379		26,015
2,040,110	2,010,235		29,875
2,558,119	2,441,737		116,382
61,456	42,550		18,906
66,402	66,402		-
200,000	-		200,000
10,183,080	\$9,457,646	\$	725,434
	5,136,088 38,511 82,394 2,040,110 2,558,119 61,456 66,402 200,000	BudgetExpenditures5,136,088\$ 4,818,10738,51122,23682,39456,3792,040,1102,010,2352,558,1192,441,73761,45642,55066,40266,402200,000-	BudgetExpenditures $5,136,088$ \$ $4,818,107$ \$ $38,511$ $22,236$ $82,394$ $56,379$ $2,040,110$ $2,010,235$ $2,558,119$ $2,441,737$ $61,456$ $42,550$ $66,402$ $66,402$ $200,000$ -

#### **Reconciliation of GAAP Basis Administrative Expenses to Non-GAAP Budgetary Basis** For the Year Ended June 30, 2011

The budget and actual (non-GAAP budgetary basis) schedules present comparisons of the legally adopted budget with actual data on a budgetary basis. Since accounting principles applied for purposes of developing data on a budgetary basis sometimes differ significantly from those used to present financial statements in conformity with generally accepted accounting principles, a reconciliation of resulting differences is presented for the year ended June 30, 2011.

Administrative Expe	\$9,457,646	
Adjustments:		
5	Accrued payroll	40,072
	Depreciation expense	1,840,260
	Capitalization of system project	(866,173)
Administrative Expe	nses (GAAP Basis)	\$10,471,805

### SCHEDULE OF INVESTMENT EXPENSES

For the Year Ended June 30, 2011

Investment counselor fees	\$	18,737,300
Investment consulting fees		349,523
Equity real estate expense	-	6,527,279
Subtotal investment management and consulting fees		25,614,102
Investments monitoring expense		22,630
Administrative investment expenses		182,413
	_	
Total investment expenses	\$	25,819,145

## SCHEDULE OF PAYMENTS TO CONSULTANTS

For the Year Ended June 30, 2011

Actuary	¢	
The Segal Company	\$	433,167
Cost Effectiveness Consultant		
CEM Benchmarking, Inc.		35,000
Fiduciary Consultant		
Cortex Applied Research, Inc.		33,187
Independent Auditors		
Clifton Gunderson LLP		248,250
Administrative Legal Counsel		
Groom Law Group		53,436
State Attorney General		66,402
Woodburn and Wedge		98,096
Medical Consultant		
Bruce Nickles, M.D.		28,479
Total payments to consultants	\$	996,017

Note: Information on payments made to investment professionals can be found beginning on page 69.

#### COMBINING SCHEDULE OF FIDUCIARY NET ASSETS

June 30, 2011

(With Comparative Totals for June 30, 2010)

ASSETS	_	Regular	Police/Fire	<b>Eliminations</b>	Total Pension Trust Fund 2011	Total Pension Trust Fund 2010
Cash and cash equivalents	\$	553,430,971 \$	- \$	- \$	553,430,971 \$	389,957,314
Contributions receivable		103,286,037	-	-	103,286,037	106,390,406
Pending trades receivable		233,345,442	-	-	233,345,442	251,956,939
Accrued investment income		100,557,554	-	-	100,557,554	97,567,846
Investments, at fair value Collateral on loaned securities,		24,826,265,268	-	-	24,826,265,268	20,516,359,658
at fair value		3,550,013,175	-	-	3,550,013,175	2,942,675,281
Property and equipment		36,187,465	-	-	36,187,465	35,321,293
Accumulated depreciation		(32,872,252)	-	-	(32,872,252)	(31,031,992)
Net property and equipment	_	3,315,213	-	-	3,315,213	4,289,301
Other assets Due from other funds-		2,120,259	-	-	2,120,259	2,053,010
equity in investments	_	<u> </u>	5,295,195,146	(5,295,195,146)		
Total plan assets	_	29,372,333,919	5,295,195,146	(5,295,195,146)	29,372,333,919	24,311,249,755
LIABILITIES						
Accounts payable and						
accrued expenses		12,059,039	-	-	12,059,039	11,205,817
Pending trades payable		485,608,284	-	-	485,608,284	372,683,783
Due to other funds - equity		5 005 105 146		(5 005 105 140		
in investments		5,295,195,146	-	(5,295,195,146)	-	-
Obligations under securities		a ««a aca ===			<b>A</b> 440 <b>A</b> 00 <b>FF</b>	
lending activities	_	3,619,398,577			3,619,398,577	3,021,077,050
Total plan liabilities	_	9,412,261,046	<u> </u>	(5,295,195,146)	4,117,065,900	3,404,966,650
Net assets held in trust for pension benefits	\$_	19,960,072,873 \$	5,295,195,146 \$	\$	25,255,268,019 \$	20,906,283,105

#### COMBINING SCHEDULE OF CHANGES IN FIDUCIARY NET ASSETS

## For the Year Ended June 30, 2011 (With Comparative Totals for the Year Ended June 30, 2010

		Regular	Police/Fire	Total Pension Trust Fund 2011	Total Pension Trust Fund 2010
ADDITIONS		Iteguiu	1 01100/1110		2010
Contributions:					
Employer	\$	937,415,377 \$	327,344,226 \$	1,264,759,603 \$	1,281,714,847
Plan members		81,686,848	15,346,976	97,033,824	99,683,851
Repayment and purchase of service		23,338,241	8,209,113	31,547,354	26,890,242
Total contributions	_	1,042,440,466	350,900,315	1,393,340,781	1,408,288,940
Investment income:					
Net appreciation in fair value of investments		3,677,504,441	-	3,677,504,441	1,409,908,664
Interest		320,071,837	-	320,071,837	314,391,003
Dividends		331,649,922	-	331,649,922	281,945,413
Other investment income		77,269,719	-	77,269,719	66,326,682
	_	4,406,495,919	-	4,406,495,919	2,072,571,762
Less investment fees and other expenses		(25,819,145)	-	(25,819,145)	(23,898,938)
Net investment income	_	4,380,676,774	-	4,380,676,774	2,048,672,824
Securities lending income		16,618,262	-	16,618,262	2,637,159
Change in fair value of securities lending		9,016,367	-	9,016,367	8,978,822
Less securities lending expense		(3,918,268)		(3,918,268)	(911,007)
Net securities lending income	_	21,716,361	-	21,716,361	10,704,974
Total net investment income	_	4,402,393,135		4,402,393,135	2,059,377,798
Other income		1,933,928	255,583	2,189,511	1,931,123
Total additions	_	5,446,767,529	351,155,898	5,797,923,427	3,469,597,861
DEDUCTIONS					
Benefit payments:					
Retirement and survivor benefits		1,085,834,770	254,393,971	1,340,228,741	1,236,168,061
Disability		58,287,479	13,575,389	71,862,868	65,448,334
Post-retirement increases		23,019	1,191	24,210	16,796
Refunds of contributions		18,608,602	6,145,978	24,754,580	20,270,764
Transfer of contributions		1,488,115	-	1,488,115	429,264
Administrative expenses		10,471,805	-	10,471,805	11,118,417
Other expenses		97,998	10,196	108,194	216
Total deductions		1,174,811,788	274,126,725	1,448,938,513	1,333,451,852
Increase in net assets		4,271,955,741	77,029,173	4,348,984,914	2,136,146,009
Transfers:					
Interfund transfers		(2,254,418)	2,254,418	-	-
Transfer of annual investment income		(915,257,533)	915,257,533	-	-
Transfer of administrative fees		860,150	(860,150)		-
Total transfers	_	(916,651,801)	916,651,801		-
Net assets held in trust for pension benefits:					
Beginning of year	_	16,604,768,933	4,301,514,172	20,906,283,105	18,770,137,096
End of year	\$	19,960,072,873 \$	5,295,195,146 \$	25,255,268,019 \$	20,906,283,105



## **INVESTMENT SECTION**

#### **CURRENT INVESTMENT ADVISORS**

#### INVESTMENT CONSULTANT

Callan Associates, Inc.

#### **INVESTMENT COUNSEL**

Domestic Equities: AllianceBernstein Atlanta Capital Management BlackRock Capital Guardian Golden Capital J. & W. Seligman Loomis, Sayles & Company

> International Equities: Franklin Templeton Manning & Napier Mellon Capital

Domestic Fixed Income: BlackRock Dodge & Cox JP Morgan Asset Management Mellon Capital Payden & Rygel UBS Global Asset Management Western Asset Management

International Fixed Income: Payden & Rygel UBS Global Asset Management

Private Equity: Pathway Capital Management

> <u>Private Real Estate</u>: BlackRock Realty Invesco Real Estate

Securities Lending: The Bank of New York Mellon

# CALLAN ASSOCIATES.



September 28, 2011

Dear Reader:

SAN FRANCISCO

NEW JERSEY

CHICAGO

ATLANTA

DENVER

Fiscal year 2011 was a great year for the publicly traded asset classes. The U.S. and international equity markets posted gains of 30.7% and 30.4% respectively. The broad fixed income market also performed well (up 3.9%).

Callan Associates is pleased to report on the investment activity for the Public Employees'

Retirement System of Nevada (PERS) for the fiscal year ending June 30, 2011.

The asset allocation policy for fiscal year 2011 remained unchanged; 40% Domestic Equity, 15% International Equity, 30% Domestic Fixed Income, 5% International Fixed Income and 10% Private Markets.

For the fiscal year, the total Fund returned 21.1% - exceeding the benchmark return of 20.8% and slightly lagging the return of the median large pension fund. This represented the best fiscal year return in 25 years. For the period, the Fund beat the 8% actuarial return assumption by 13.1% and continues to exhibit a lower risk profile than peers.

The Fund's 5-year return was 4.8%, also above the benchmark return of 4.4%. Longerterm results remain competitive and the return for the past 27 years is above the actuarial return assumption.

A conservative and consistent investment strategy has produced attractive risk-adjusted returns over the years. PERS' risk adjusted return is better than 83% of other public funds of similar size over the past 27 years.

We welcome any comments or questions regarding the investment activity of PERS for the 2011 fiscal year.

Juix Buchn - Wild

Janet Becker-Wold, CFA Senior Vice President & Manager

11: C. Har

William Howard, CFA Vice President

1660 Wynkoop Street, Suite 950, Denver. CO, 80202 303.861.1900

## **INVESTMENT REVIEW**

#### **Introduction**

The investment program is designed to generate an 8% long-term return while minimizing risk. The structure and administration of the portfolio is defined by the prudent person standard. The standard states that the Board may invest the System's funds in every type of investment which persons of prudence, discretion, and intelligence acquire or retain for their own account under similar circumstances. The Board's investment philosophy centers on time tested investment principles such as maintaining consistent exposure to the capital markets, buying assets at lower prices and selling them at higher prices through faithful rebalancing, and keeping costs low by utilizing index management. Developing a sound long-term investment strategy and faithfully adhering to that strategy in both strong and weak market environments has been a key element in the fund's success.

The System's Investment Objectives and Policies detail the fund's long-term investment goals, management responsibilities, return/risk expectations, and monitoring requirements. These policies are subject to change at any time by the Board and are reviewed thoroughly at least annually to ensure that they continue to reflect the System's expectations.

#### **Objective**

The investment objective of the System is to:

- Generate an 8% long-term investment return which exceeds the rate of inflation (CPI) by 4.5% by capturing market returns within each asset class.
- Invest so that the short-term volatility of returns will not cause the System to alter its long-term strategy.
- Structure an investment program which is sufficiently uncomplicated to control the ability to consistently meet return and risk objectives.

Chart 1, on page 60, demonstrates that the investment portfolio, over the last ten years, has captured the blended real return (inflation) objective in six of those years. The objective was CPI + 3.0% until September 30, 2000; CPI + 3.5% from October 1, 2000 through September 30, 2002; CPI + 3.75% from October 1, 2002 through September 30, 2003; and CPI + 4.5% thereafter. Chart 2, on page 60, details annualized returns for long-term periods ended June 30, 2011. The System achieved the blended market objective for the 1, 3, 5, 10, and 25-year periods. The System's 21.1% return for fiscal year 2011 was influenced by above average returns from U.S. and non-U.S. stocks.

The recent financial crisis has been the catalyst for some of the most volatile markets in history. In this environment, PERS was quite competitive versus other large public pension plans ranking in the top 32% for return and the bottom 32% for risk. Generating returns in the top of the peer group while experiencing less volatility than the majority of those same investors is a testament to the effectiveness of the Retirement Board's investment strategy. An analysis of asset class results versus the markets is included on pages 66-68.

Note: Inception on Chart 2 refers to July 1, 1984, the date the System began calculating total return versus annual yield. For all other charts, inception refers to the point at which the System began including that particular investment vehicle in the portfolio.

#### Asset Allocation

Asset allocation is the most significant factor influencing the risk and return of the investment program. Since inception 98% of the System's investment performance is explained by asset allocation. Determination of the fund's long-term asset allocation involves estimating the expected return and risk of major types of investments and blending them into a portfolio which meets the System's risk/return objectives.

To establish an appropriate long-term asset allocation strategy, the Board evaluates expected return and risk for each of the major asset types (stocks, bonds, private markets). These asset classes are then combined in the most efficient manner possible to construct a portfolio that matches the risk and return needs of the fund. By diversifying the System's investments in multiple asset classes the Board is able to reduce the volatility of annual investment earnings. The Board reviews capital market expectations and asset allocation annually. In addition, the Board employs a disciplined rebalancing policy to profit from market volatility and to ensure the portfolio's exposures are consistent with the System's long-term asset targets.

The long-term target allocation for the fund as of June 30, 2011, was 30% U.S. Fixed Income, 40% U.S. Equity, 5% International Fixed Income, 15% International Equity, and 10% Private Markets. The June 30, 2011, actual asset class allocation is shown in Chart 3, page 61.

#### Diversification

After the asset allocation strategy is established, the Board implements a portfolio management structure that is designed to capture the market objective in each asset class. The portfolios are diversified by strategy and investment management. For example, in U.S. stocks, management categories include active and index approaches, as well as value and growth styles. Within the U.S. stock portfolio, seven investment firms are employed that utilize different stock selection approaches. This diversification of strategies is expected to reduce return volatility.

Similar diversification measures are utilized throughout the fund. The System's overall portfolio is well diversified by asset class, investment structure, and individual security. The System's portfolio currently holds over 5,000 individual securities from 30 different countries.

Chart 4, on pages 62-63, shows the market value of the assets under management by investment type, category, and manager. A list of the ten largest Equity and Fixed Income holdings based on fair market value at June 30, 2011, is included in Chart 5 on page 64. A complete list of security holdings is available upon request.

#### Investment Class Objectives

In order to achieve the total fund objectives, each asset type is assigned return objectives (listed below). Progress toward those benchmarks is closely monitored.

U.S. Equity - Produce a total return that captures the Standard & Poor's 500 Common Stock Index over rolling 10-year periods with commensurate volatility.

## **INVESTMENT SECTION**

International - Equity	Produce a total return that captures the unhedged Morgan Stanley Capital International Europe, Australia, Far East (MSCI EAFE) Index over rolling 10-year periods with commensurate volatility.
U.S. Fixed - Income	Produce a total return that captures the Barclays Aggregate Index over rolling 10-year periods with commensurate volatility.
International - Fixed Income	Produce a total return that captures the Citigroup Non-Dollar Government Bond Index over rolling 10-year periods with commensurate volatility.
Private Markets -	Produce a total return that captures the blended return (based on PERS actual allocation) of: the National Council of Real Estate Investment Fiduciaries (NCREIF) Property Index -0.75%, and S&P 500 Index + 4% over rolling 10-year periods with commensurate volatility.

Each of the System's investment managers agrees to a performance benchmark which, when all the benchmarks in an investment class are combined, is expected to produce the class objective.

#### Investment Performance

The System's investment consultant calculates performance for the total fund, each asset class, and individual investment management firms employed by the Board. Performance calculations are prepared using time-weighted rate of return based on market values. Returns in this report are gross of fees.

Chart 6, shown on page 65, shows a year-by-year comparison of how the total fund and each investment class compared with its corresponding objective.

Charts 7-10, on pages 66-67, compare 1, 3, 5, 10-year, and since-inception returns for each asset class to the corresponding objective for periods ended June 30, 2011.

Chart 11, on page 68, shows Private Markets returns for the fiscal year ended June 30, 2011, compared to since-inception returns using a blended objective.

The U.S. Equity portfolio outperformed the market objective during fiscal year 2011 and has exceeded its market objective for the 3, 5, and 10-year periods. The Board has implemented a portfolio structure that combines active and index management. This structure controls risk versus the index and enables the fund to employ fewer active managers with larger portfolios. This approach keeps costs low and prevents dilution of the active management positions. Four of the six active managers in the program have worked with PERS for over 10 years; this consistency has contributed to competitive results in the past decade.

Due to the emphasis on index management, the International Equity portfolio's 1-year return met the market objective. The asset class remains below the market objective for the 3, 5, and 10-year periods and has outperformed since inception. Two active international stock managers were retained during fiscal year 2011 to replace the two enhanced quantitative strategies which were terminated during the prior fiscal year.

U.S. Fixed Income performed well during fiscal year 2011 as interest rates continued to decline. While long-term performance remains slightly below the market since inception, returns over short-term periods are above the market objective. All three current active managers are over their benchmarks since inception.

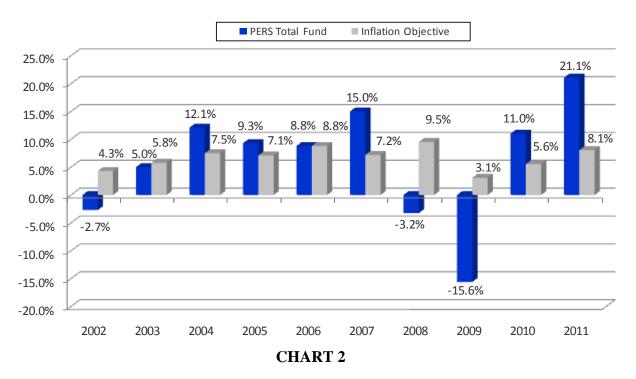
The International Fixed Income portfolio experienced strong returns during fiscal year 2011 and captured the market objective. The portfolio has added value since inception versus the index but has not captured the market for medium term periods. This portfolio was restructured to 100% index management three years ago, so returns are expected to closely track the markets going forward.

The Private Markets portfolio has 7  $\frac{3}{4}$  years of performance history as an asset class and has captured its objectives in all time periods except the most recent fiscal year. The private equity portfolio is compared to a public stock benchmark (the S&P 500 index + 4%), which introduces year to year volatility into the comparison due to differences in the timing of pricing assets in public and private markets.

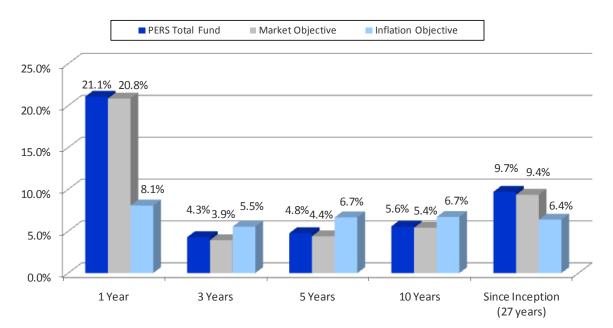
This report has been prepared in conjunction with the System's investment consultant, Callan Associates.

## CHART 1

#### Individual Fiscal Year Return vs. Inflation Objective Periods Ended June 30



### Annualized Total Returns vs. Market Objective and Inflation Objectives \* As of June 30, 2011

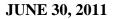


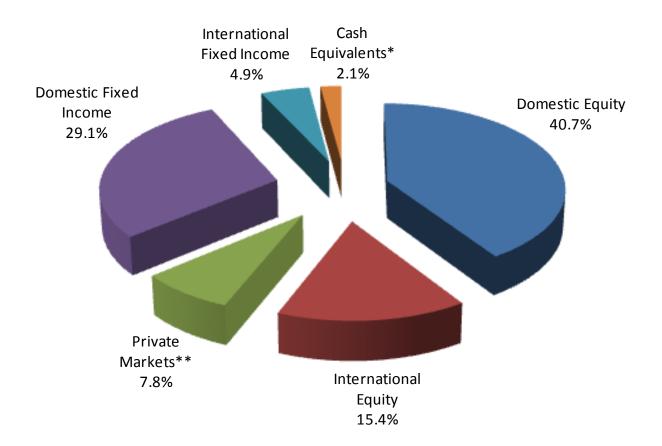
\*CPI + 3.0% until September 2000, CPI + 3.5% from October 1, 2000 through September 30, 2002, CPI + 3.75% from October 1, 2002 through September 30, 2003, and CPI + 4.5% thereafter.

Performance calculations are prepared using time-weighted rate of return based on market values.



### ASSET MIX





\*Includes cash held by investment managers.

**\*\*Includes 2.9% Private Equity and 4.9% Private Real Estate.** 

## Fair Value by Investment Type, Category, and Manager

June 30, 2011 (Page 1 of 2)

	(1 age 1 of 2	-)		
				Percent of
				Total
		Fair Value		Fair Value
UITIES				
Domestic Active Managers				
AllianceBernstein	\$	654,092,122		
Atlanta Capital Management		694,586,608		
Capital Guardian		459,327,461		
Golden Capital		471,809,241		
J. & W. Seligman		672,954,527		
Loomis, Sayles & Company		669,640,701		
Subtotal		3,622,410,660		14.3 %
Domestic Index Managers				
AllianceBernstein		3,353,127,703		
BlackRock		3,353,748,299		
Subtotal		5,706,876,002		26.4
Subiola	,	0,700,870,002		20.4
International Index Managers				
Mellon Capital		2,990,202,441		
				11.8
International Active Managers				
Franklin Templeton		466,862,055		
Manning & Napier		452,914,694		
Subtotal		919,776,749		3.6
Private Equity				
Pathway Capital Management		736,871,821		2.9
Total Equities			\$ 14,976,137,673	59.0
<b>ED INCOME</b>				
Domestic Active Managers				
Dodge & Cox		599,402,970		
JP Morgan Asset Management		592,832,484		
Western Asset Management		573,297,020		
Subtotal		1,765,532,474		7.0

#### Fair Value by Investment Type, Category, and Manager

June 30, 2011 (Page 2 of 2)

#### FIXED INCOME (continued)

Domestic Index Managers			
BlackRock	1,405,149,821		
Mellon Capital	1,382,126,146		
Payden & Rygel	1,409,804,829		
UBS Global Asset Management	1,401,620,935		
Subtotal	5,598,701,731		22.1
International Index Managers			
Payden & Rygel	625,853,648		
UBS Global Asset Management	625,504,977		
Subtotal	1,251,358,625		4.9
Total Fixed Income		8,615,592,830	34.0
PRIVATE REAL ESTATE			
BlackRock Realty	533,856,688		
Invesco Realty Advisors	698,749,525		
Invesco Realty Advisors Takeover	1,926,791		
Invesco Realty Advisors - Mortgage Loans	1,761		
Total Real Estate		1,234,534,765	4.9
SHORT-TERM INVESTMENTS			
Cash Equivalents	548,619,764		
Total Short-Term Investments		548,619,764	2.1
TOTAL PORTFOLIO		\$ 25,374,885,032	<u>100.0</u> %

The Statement of Fiduciary Net Assets contains \$4,811,207 in administrative cash, which does not appear on this schedule. Total portfolio less short-term investments (classified on the Statement of Fiduciary Net Assets as cash equivalents) of \$548,619,764 equals investments of \$24,826,265,268.

## LIST OF LARGEST ASSETS HELD

## **Largest Equity Holdings**

June 30, 2011

Ranking	Name	 Fair Value
1	APPLE INC	\$ 277,883,738
2	EXXON MOBIL CORP	259,161,202
3	JPMORGAN CHASE & CO	184,313,108
4	CHEVRON CORP	174,072,743
5	GENERAL ELECTRIC CO	149,441,906
6	WELLS FARGO & CO	142,739,256
7	INTERNATIONAL BUSINESS MACHINE	133,995,646
8	SCHLUMBERGER LTD	133,682,314
9	ORACLE CORP	129,556,073
10	MICROSOFT CORP	127,828,246

## **Largest Fixed Income Holdings**

June 30, 2011

Ranking	Name			Fair Value
1	U S TREASURY NOTE	2.625%	07/31/2014	\$ 79,202,884
2	U S TREASURY NOTE	0.750%	03/31/2013	75,605,467
3	U S TREASURY NOTE	1.750%	05/31/2016	71,811,852
4	U S TREASURY NOTE	0.500%	05/31/2013	58,581,739
5	U S TREASURY NOTE	4.750%	02/15/2041	53,796,861
6	U S TREASURY NOTE	8.000%	11/15/2021	48,476,880
7	U S TREASURY NOTE	1.500%	07/15/2012	45,825,181
8	JAPAN GOVERNMENT	1.500%	03/20/2014	43,538,273
9	U S TREASURY NOTE	1.375%	05/15/2013	42,019,446
10	JAPAN GOVERNMENT	1.600%	03/20/2016	41,026,963

Note: A complete list of the portfolio's holdings can be obtained upon request.

#### SUMMARY OF ACTUAL PERFORMANCE VS. OBJECTIVES

(% Returns)

	U.S. <u>EQUITY</u>	INT'L <u>EQUITY</u>	U.S. <u>FIXED INC.</u>	INT'L <u>FIXED INC.</u>	REAL <u>ESTATE*</u>	PRIVATE <u>MARKETS*</u>	TOTAL <u>FUND</u>	
<u>Fiscal Year 2002</u> Total Return Objective	-17.5 -18.0	-9.4 -9.5	8.3 8.6	15.9 15.7	3.9 5.6		-2.7 4.3	
<u>Fiscal Year 2003</u> Total Return Objective	-1.2 -0.3	-7.2 -6.5	10.1 10.4	18.3 17.9	4.6 7.6		5.0 5.8	
<u>Fiscal Year 2004</u> Total Return Objective	19.2 19.1	30.9 32.4	0.6 0.3	7.7 7.6		8.7% 10.5	12.1 12.1	
<u>Fiscal Year 2005</u> Total Return Objective	7.1 6.3	12.9 13.7	6.7 6.8	7.7 7.8		22.2 21.3	9.3 7.1	
<u>Fiscal Year 2006</u> Total Return Objective	9.7 8.6	27.1 26.6	-0.5 -0.8	0.2 -0.0**		20.8 19.3	8.8 8.8	
<u>Fiscal Year 2007</u> Total Return Objective	20.2 20.6	27.0 27.0	6.1 6.1	1.5 2.2		16.3 16.2	15.0 15.2	
<u>Fiscal Year 2008</u> Total Return Objective	-11.7 -13.1	-10.9 -10.6	6.4 7.1	18.4 18.7		3.5 -2.5	-3.2 -4.0	
<u>Fiscal Year 2009</u> Total Return Objective	-25.4 -26.2	-31.5 -31.4	5.9 6.1	3.4 3.5		-27.6 -23.8	-15.6 -16.1	
<u>Fiscal Year 2010</u> Total Return Objective	13.8 14.4	6.1 5.9	10.6 9.5	1.5 1.5		6.2 7.8	11.0 10.7	
<u>Fiscal Year 2011</u> Total Return Objective	31.8% 30.7	30.5% 30.4	4.2% 3.9	14.1% 14.0		22.9% 24.0	21.1% 20.8	
<u>Objectives</u> U.S. Equity – S&P 500 Int'l Equity – MSCI-EAFE U.S. Fixed Income – Barclays Aggregate Int'l Fixed Income – Citigroup Non-U.S. Government Real Estate – NCREIF -0.75% Private Markets – Portfolio weighted blend of NCREIF -0.75% and S&P 500 + 4%				Total Fund: Until September 30, 2000 – CPI + 3% October 1, 2000 – September 30, 2002 – CPI + 3.5% October 1, 2002 – September 30, 2003 – CPI + 3.75% October 1, 2003 thereafter – CPI + 4.5%				

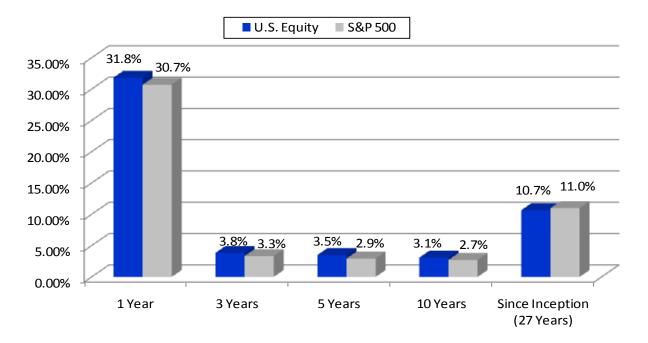
Performance calculations are prepared using time-weighted rate of return based on market values.

\* Real Estate was combined with Private Equity in September 2003. Fiscal Year 2004 Private Markets return represents performance from October 1, 2003 through June 30, 2004.

\*\* objective = -0.01

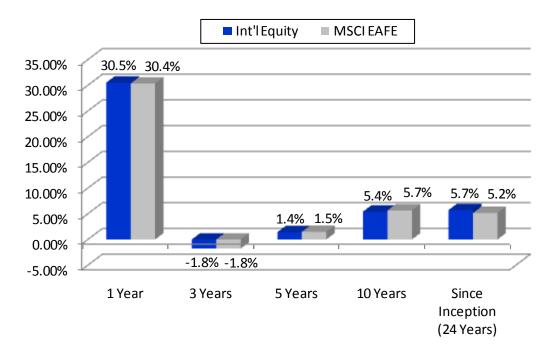
## CHART 7

U.S. Equity vs. S&P 500 As of June 30, 2011



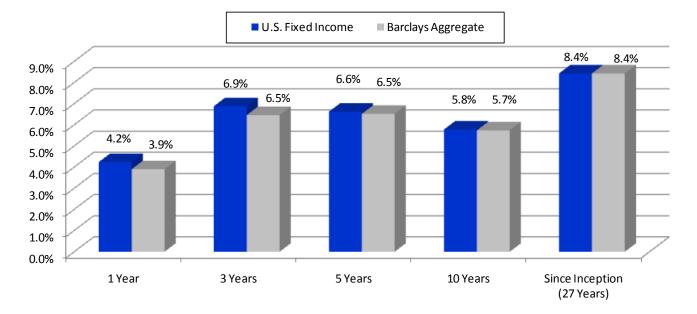
## CHART 8

#### International Equity vs. MSCI EAFE As of June 30, 2011



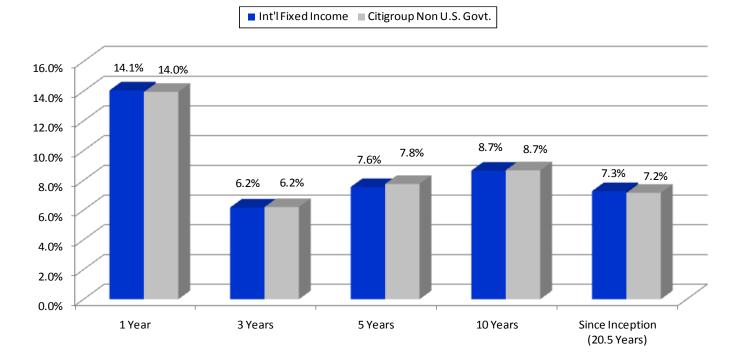
#### **CHART 9**

## U.S. Fixed Income vs. Barclays Aggregate As of June 30, 2011

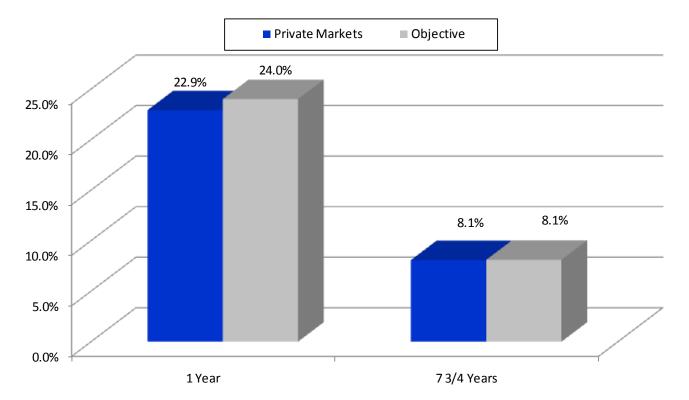


## CHART 10

## International Fixed Income vs. Citigroup Non-U.S. Government As of June 30, 2011



## CHART 11



Private Markets vs. Blended Objective\* As of June 30, 2011

\* Blended Objective:

62.3% NCREIF -0.75% 37.7% S&P 500 + 4.0%

Target adjusted quarterly, based on beginning market values.

## SCHEDULE OF FEES AND COMMISSIONS

For Year Ended June 30, 2011

(Page 1 of 5)

Name/Firm	Investment Mandate	Amount Under Management at June 30, 2011	Fees Incurred	
Investment Management Fees				
Domestic and International Equity Manager	<u>s</u>			
AllianceBernstein S&P 500	U.S. Index	\$ 3,367,986,402 \$	\$ 290,368	
BlackRock S&P 500	U.S. Index	3,361,287,940	340,047	
AllianceBernstein Growth	U.S. Active	655,230,544	1,362,152	
Atlanta Capital Management	U.S. Active	705,179,276	1,394,846	
Capital Guardian	U.S. Active	467,225,481	1,083,229	
Golden Capital	U.S. Active	474,692,513	755,935	
J. & W. Seligman	U.S. Active	674,594,061	1,358,277	
Loomis, Sayles & Company	U.S. Active	687,877,797	1,390,940	
Mellon Capital	Int'l Index	3,010,055,855	539,920	
Mellon Capital Temp	Int'l Index	-	73,057	
Franklin Templeton Investments	Int'l Active	480,139,204	248,414	
Manning & Napier	Int'l Active	507,420,296	1,919,912	
Domestic and International Fixed Income M	lanagers_			
BlackRock	U.S. Index	1,423,035,930	450,080	
Mellon Capital	U.S. Index	1,386,368,759	349,374	
Payden & Rygel	U.S. Index	1,412,510,348	383,111	
UBS Global Asset Management	U.S. Index	1,424,715,360	356,126	
Dodge & Cox	U.S. Active	618,794,547	832,115	
JP Morgan Asset Management	U.S. Active	606,094,868	542,270	
Western Asset Management	U.S. Active	623,537,236	1,055,376	
Payden & Rygel	Int'l Index	630,864,399	368,594	
	Int'l Index	634,826,293	378,232	

## SCHEDULE OF FEES AND COMMISSIONS

For Year Ended June 30, 2011

(Page 2 of 5)

	_	Amount Under		_			
NT //T*	Investment	Management at	ţ	Fees			
Name/Firm	Mandate	June 30, 2011		Incurred			
Investment Management Fees (continued)							
Private Equity Manager							
Pathway Capital Management		746,160,216		3,263,575			
Private Real Estate Managers							
BlackRock Realty		533,856,688		3,089,723			
Invesco Realty Advisors		700,678,078		3,437,556			
Real Estate Investment Trust (REIT) Man							
AllianceBernstein REIT	Index	\$ -	_	1,350			
Sub-total investment management fees			_	25,264,579			
Investment Consulting Fees							
Investment Consultants							
Callan Associates				349,523			
Subtotal investment consulting fees			_	349,523			
Subtotal investment management and cons	ulting fees		\$	25,614,102			

#### SCHEDULE OF FEES AND COMMISSIONS

For Year Ended June 30, 2011

(Page 3 of 5)

(1	Page 5 01 5)					
				Commission		
	Number of		Commissions	Per Share		
Brokerage Firm	Shares Traded		Paid	(rounded)		
Abel Noser Corporation	1,086,138	\$	18,406	\$ 0.02		
Aqua Securities LP	3,500		70	0.02		
Auerbach Grayson & Company Incorporated	98,770		1,410	0.01		
Baird, Robert W. & Company	924,872		36,446	0.04		
Banque Paribas	27,960		899	0.03		
Barclays Capital	11,121,019		248,850	0.02		
Bernstein Sanford C. & Company	1,175,123		37,192	0.03		
Bloomberg Tradebook LLC	348,018		1,740	0.01		
BMO Capital Markets Corporation	126,269		3,628	0.03		
BNY Convergex	1,909,894		52,520	0.03		
Broadcourt Capital Corporation	103,620		3,109	0.03		
Brockhouse & Cooper Incorporated	3,500		123	0.04		
BTIG LLC	147,686		3,542	0.02		
Calyon Securities	1,800,000		10,549	0.01		
Cantor Fitzgerald & Company Incorporated	4,416,937		89,560	0.02		
Capital Institutional Services Incorporated	31,610		316	0.01		
Citation Group	1,766,757		40,921	0.02		
Citigroup Global Markets	18,412,269		295,648	0.02		
Commerzbank	504,425		53,369	0.11		
Cowen and Company LLC	1,010,863		35,950	0.04		
Credit Lyonnais Securities	5,588,045		122,016	0.02		
Credit Research & Trading LLC	24,976		500	0.02		
Credit Suisse	12,499,548		219,955	0.02		
Deutsche Bank	14,747,051		174,869	0.01		
Fidelity Capital Markets	1,791,182		37,594	0.02		
Friedman Billings	888,386		23,100	0.03		
Goldman Sachs	12,735,063		263,514	0.02		
Heflin & Company LLC	43,800		1,533	0.04		
Hong Kong & Shanghai Banking Corporation	2,408,050		1,960	0.00 *		
Howard Weil Incorporated	7,500		263	0.04		
HSBC Incorporated	29,873,804		73,044	0.00 *		
Instinet Corporation	9,312,141		231,102	0.02		
Investment Technology Group	8,930,573		197,089	0.02		
ISI Group Incorporated	683,318		28,619	0.04		
ITG Incorporated	1,016,797		631	0.00 *		
Ivy Securities Incorporated	18,400		736	0.04		
J.P. Morgan	8,428,789		232,982	0.03		
Jackson Securities Incorporated	23,140		1,041	0.04		
r r			-,			

## CHART 12

# SCHEDULE OF FEES AND COMMISSIONS

For Year Ended June 30, 2011

(Page 4 of 5)

(	Page 4 01 5)		
			Commission
	Number of	Commissions	Per Share
Brokerage Firm	Shares Traded	Paid	(rounded)
Janney Montgomery Scott	78,370	1,567	0.02
Jefferies & Company Incorporated	6,713,182	158,490	0.02
JMP Securities	295,000	8,850	0.02
Jones Trading	38,212	1,349	0.03
Keefe Bruyette and Woods	42,080	1,683	0.04
Knight Securities	417,647	12,797	0.03
Lazard Capital Markets LLC	147,536	2,951	0.02
Leerink Swann & Company	135,131	5,242	0.04
Liquidnet Incorporated	2,993,726	51,758	0.02
Macquarie Securities	1,436,345	9,156	0.01
Merrill Lynch	12,595,412	190,070	0.02
Mitsubishi Securities	29,395	588	0.02
Mizuho Securities	28,800	306	0.01
Morgan Keegan	107,640	3,229	0.03
Morgan Stanley	30,055,721	363,319	0.01
National Financial Services Corporation	82,685	3,307	0.04
Nomura Securities	8,394,897	97,180	0.01
Oddo Securities	724,136	26,818	0.04
Oppenheimer & Company Incorporated	438,303	13,068	0.03
Pacific Crest Securities	550,466	21,373	0.04
Paulsen, Dowling Securities	24,500	858	0.04
Penson Financial Services	248,613	9,034	0.04
Pershing LLC	129,978	3,572	0.03
Pictet & Company	18,190	2,046	0.11
Pipeline Trading Systems LLC	67,449	1,068	0.02
Piper Jaffray & Company	574,335	17,824	0.03
Pulse Trading LLC	330,333	4,173	0.01
Raymond James & Associates Incorporated	161,500	3,508	0.02
RBC Capital Markets Corporation	1,984,532	67,102	0.03
RBS Securities Incorporated	1,575,639	1,046	0.00
Rochdale Securities Corporation	14,961	299	0.02
Sanders Morris Harris Incorporated	67,300	2,356	0.04
Sandler O'Neill & Partners	26,900	1,211	0.05
Sanford C. Bernstein & Company	456,094	16,446	0.04
Santander Investment Incorporated	533,700	14,216	0.03
Scotia Capital Incorporated	40,700	1,425	0.04
Security Capital Brokerage	165,200	7,434	0.05

#### CHART 12

#### SCHEDULE OF FEES AND COMMISSIONS

For Year Ended June 30, 2011

(Page 5 of 5)

	(1 490 0 01 0)		
		a	Commission
	Number of	Commissions	Per Share
Brokerage Firm	Shares Traded	Paid	(rounded)
SG Cowen & Company	22,000	770	0.04
SG Securities	6,188,400	94,637	0.02
Skandinaviska Enskilda Banken	2,959,387	77,989	0.03
Soleil Securities Corporation	820,390	16,408	0.02
State Street Global Markets LLC	39,084	1,148	0.03
Stephens Incorporated	977,000	29,310	0.03
Sterne Agee & Leach Incorporated	27,129	1,085	0.04
Stifel Nicolaus	1,511,277	42,724	0.03
SunTrust Capital Markets Incorporated	75,021	3,311	0.04
Susquehanna Brokerage	30,766	1,231	0.04
Thinkequity Partners LLC	2,302	46	0.02
Thomas Weisel Partners	38,500	385	0.01
UBS Securities	16,163,979	180,214	0.01
Union Bank Switzerland	529,161	723	0.00 *
Weeden & Company	722,525	17,442	0.02
Wells Fargo Securities LLC	3,181,828	86,333	0.03
William Blair & Company	125,896	4,547	0.04
Williams Capital Group	280,147	9,215	0.03
Subtotal commissions		4,239,033	
Total fees and commissions		\$ 29,853,135	

\* Commission is less than one cent per share.

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# **ACTUARIAL SECTION**

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THE SEGAL COMPANY 5670 Greenwood Plaza Boulevard Suite 425 Greenwood Village, CO 80111-2499 T 303.714.9900 F 303.714.9990 www.segalco.com

November 14, 2011

Public Employees' Retirement Board State of Nevada 693 West Nye Lane Carson City, Nevada 89703

#### Re: Certification Letter for Actuarial Section of Financial Report for Fiscal Year Ended June 30, 2011

Dear Retirement Board Members:

This letter is to certify that Segal has prepared an actuarial valuation of the Public Employees' Retirement System of the State of Nevada as of June 30, 2011 and that such valuation is accurate and fairly presents the actuarial position of the Public Employees' Retirement System of Nevada.

The unfunded actuarial accrued liability is being amortized by level percentage-of-payroll payments over a yearby-year closed amortization period where each amortization period will be set at 30 years. As of June 30, 2011, the funded ratio is 70.6% for regular employees and 68.4% for police/fire employees.

Actuarial valuations are prepared annually by the independent actuary for the Public Employees' Retirement Board. The basic purposes of annual actuarial valuations are to determine the Retirement System's actuarial liabilities and the level percentage-of-payroll contribution rates required to fund the Retirement System on an actuarial reserve basis.

For funding purposes, to amortize the unfunded portion of actuarial accrued liability under the level percentageof-payroll amortization method, the dollar amounts of calculated amortization payments increase in direct proportion to the assumed payroll growth rates of 6.5% per year for regular employees and 8.0% per year for police and firefighters. These payroll growth rates are based on a 3.5% per year inflation assumption.

For GASB 25 reporting purposes only, the unfunded actuarial accrued liability payments are assumed to increase in direct proportion to assumed payroll growth rates of 5.0% per year for both regular and police/fire employees. This payroll growth rate is based on a 3.5% per year inflation assumption. Also, for GASB reporting purposes only, the unfunded actuarial accrued liability is amortized over an open (non-declining) amortization period of 30 years.

Founding Member of the Multinational Group of Actuaries and Consultants, a global affiliation of independent firms

Benefits, Compensation and HR Consulting Offices throughout the United States and Canada

# ACTUARIAL SECTION

Public Employees' Retirement Board November 14, 2011 Page 2

The most recent actuarial valuation prepared as of June 30, 2011 is based on the following major elements:

- Current benefit provisions (as specified in the Public Employees' Retirement Act).
- Membership data as of June 30, 2011 obtained from electronic files provided by the Retirement System. Membership data contained on the electronic files is examined and tested for reasonableness, but is not audited by the actuary.
- Assets as of June 30, 2011 obtained from the System's unaudited financial statements.
- Trend schedules for financial and actuarial sections of the Comprehensive Annual Financial Report (CAFR) as of June 30, 2011 (based upon data from the System, accepted without verification or audit, and upon results of the annual actuarial valuation).
- Actuarial assumptions and methods adopted by the Public Employees' Retirement Board.

A complete copy of the June 30, 2011 actuarial valuation is available from the System.

Each annual actuarial valuation involves a projection of the benefits expected to be paid in the future to all members of the Retirement System. The projection of expected future benefit payments is based on the benefit provisions in effect on the actuarial valuation date. (See the Plan Summary section of this Annual Financial Report for a summary of current benefit and contribution provisions.)

#### **List of Trend Schedules**

The following schedules, prepared by Segal, are included in the Financial Section of this report:

- Schedules of Funding Progress
- Schedule of Employer Contributions

#### List of Supporting Schedules

The following schedules and summaries prepared by Segal are included within this Actuarial Section:

- Summary of Actuarial Assumptions and Methods
- Schedule 1 Retirement System Membership
- Schedule 2 Active Member Valuation Data
- Schedule 3 Pay Status Participants Added to and Removed from the Rolls
- Schedule 4 Solvency Test
- Schedule 5 Analysis of Actuarial Experience
- Actuarial Valuation Statement (GASB Disclosure Basis)

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Public Employees' Retirement Board November 14, 2011 Page 3

The Public Employees' Retirement Act requires an adjustment in the statutory contribution rates on July 1 of each odd-numbered year, based on the actuarially determined rates indicated in the actuarial valuation report for the immediately preceding year. Rates are only adjusted upward if the new rates are more than 0.50% higher than the existing rate for Employer-Pay and more than 0.25% higher for Employee/Employer. Rates are only adjusted downward if the new rates are more than 2.00% lower than the existing rate for Employer-Pay (and adjusted only by the amount in excess of 2.00%) and more than 1.00% lower than the existing rate for Employer-Pay (and adjusted only by the amount in excess of 1.00%). Rates are rounded to the nearest 0.25% of payroll.

Since this valuation year is an odd-numbered year, no adjustment in the statutory contribution rate is required as a result of this valuation.

	Regular <u>Employees</u>	Police/Fire Employees
Employer-Pay		
Statutory Rate for Fiscal Years		
July 1, 2011 through June 30, 2013	23.75 %	39.75 %
Actuarial Determined Contribution		
Rate per June 30, 2011 Actuarial Valuation	24.33 %	39.45 %
	Regular	Police/Fire
	Employees	Employees
Employee/Employer		
Statutory Rate for Fiscal Years		
July 1, 2011 through June 30, 2013	24.50 %	40.50 %
Actuarial Determined Contribution		
Rate per June 30, 2011 Actuarial Valuation	25.31 %	40.33 %

#### **ACTUARIAL SECTION**

Public Employees' Retirement Board November 14, 2011 Page 4

A summary of the GASB disclosure rates are as follows:

	Regular Employees	Police/Fire Employees
Employer-Pay	24.58%	41.28%
Employee/Employer	25.56%	42.16%

The actuarial calculations prepared for disclosure requirements under GASB as well as for funding purposes were made in accordance with generally accepted actuarial principles and practices. The information supplied in this letter is based on the current provisions of the Public Employees' Retirement Act and on the actuarial assumptions and methods adopted by the Public Employees' Retirement Board. Further, in our opinion, the assumptions as approved by the Board are reasonably related to the experience of and the expectations for the Plan.

We are members of the American Academy of Actuaries and we meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion herein.

Sincerely,

BARDON

Brad Ramirez, FSA, MAAA, EA Consulting Actuary

John Monoe

John Monroe, ASA, MAAA, EA Vice President and Associate Actuary

AW/hy Enclosures

Ander

Thomas D. Levy, FSA, MAAA, EA Senior Vice President and Chief Actuary

Kino Schneide

Kurt Schneider, ASA, MAAA, EA Associate Actuary

## SUMMARY OF ACTUARIAL ASSUMPTIONS AND METHODS

The actuarial assumptions and methods used in the June 30, 2011 actuarial valuation were adopted by the Public Employees' Retirement Board and were based on the results of the experience review completed in 2007.

#### **Economic Assumptions**

The economic assumptions for the 2011 actuarial valuation.

Investment return\* - 8.0% per year.

Salary increases\* -

The assumed salary increase rates are shown below:

<b>Regular Employees</b>		
Years of Service	Rate	
1	9.75%	
2	8.25%	
3	7.75%	
4	7.50%	
5	7.25%	
6	7.00%	
7	6.75%	
8	6.25%	
9	5.75%	
10	5.50%	
11	5.10%	
12	4.90%	
13 or more	4.50%	

Police/Fire Employees		
Years of Service	Rate	
1	14.75%	
2	10.75%	
3	10.20%	
4	9.80%	
5	9.40%	
6	9.00%	
7	8.25%	
8	7.75%	
9	7.25%	
10 or more	6.50%	

Rate Payroll	-	Based on actual contributions for the prior year with an increase of 3.00% for regular employees and 5.00% for police/fire employees.
Payroll growth* (Funding)	-	6.5% per year for regular employees and 8.0% per year for police/fire employees.
Payroll growth* (GASB disclosure)	-	5.0% per year for both regular employees and for police/fire employees.

<sup>\*</sup>Includes inflation at 3.5% per year.

Post-retirement - Benefit increases	For members with an effective date of membership before January 1, 2010:
	Members who retired during 1992 and earlier are assumed to receive 3.5% increases per year. Those retiring later are assumed to receive the increases below.
	2.0% per year compounded following the third anniversary of benefit commencement;
	3.0% per year compounded following the sixth anniversary;
	<ul><li>3.5% per year compounded following the ninth anniversary;</li><li>4.0% per year compounded following the twelfth anniversary;</li></ul>
	5.0% per year compounded following the fourteenth anniversary;
	3.5% per year compounded following the twenty-fourth anniversary.
	For members with an effective date of membership on or after
	January 1, 2010:
	2.0% per year compounded following the third anniversary of benefit commencement;
	3.0% per year compounded following the sixth anniversary;
	3.5% per year compounded following the ninth anniversary;
	4.0% per year compounded following the twelfth anniversary; 3.5% per year compounded following the thirty-eighth anniversary.
	5.5% per year compounded following the timey-eighth anniversary.
	Underlying this assumption is that CPI will grow over time at a rate of 3.50% per year.

# **Non-Economic Assumptions**

The assumed retirement rates, which project the percentage of eligible employees who will retire, are shown below:

	Regular Employees				
	Years of Service				
Age	5 - 19	20 - 24	25 - 29	30 or more	
45 – 49		1%	8%		
50 - 54	2%	2%	10%	25%	
55 - 59	4%	7%	15%	30%	
60 - 61	13%	20%	25%	30%	
62 - 64	15%	20%	25%	30%	
65 - 69	22%	25%	30%	30%	
70 & older	100%	100%	100%	100%	

	Police/Fire Employees Years of Service				
Age	5 - 9	10 – 19	20 - 24	25 - 29	30 or more
40-44		1%	1%		
45 – 49		1%	3%	15%	15%
50 - 54	1%	5%	12%	15%	25%
55 – 59	5%	12%	20%	25%	35%
60 - 64	10%	20%	25%	25%	35%
65 & older	100%	100%	100%	100%	100%

The retirement age for inactive vested members is equal to their earliest unreduced retirement age.

# **ACTUARIAL SECTION**

The assumed withdrawal rates are shown below:

<b>Regular Employees</b>			
Years of Service	Rate		
0	18.25%		
1	13.00%		
2	9.80%		
3	7.75%		
4	6.50%		
5	6.00%		
6	5.00%		
7	4.65%		
8	3.90%		
9	3.70%		
10	3.30%		
11 or more	2.00%		
Police/Fire Employees			
Years of Service	Rate		
0	13.00%		
1	6.50%		

i once/rite Employees		
Years of Service	Rate	
0	13.00%	
1	6.50%	
2	5.50%	
3	4.00%	
4	3.90%	
5	3.75%	
6 or more	2.00%	
	1	

Withdrawal rates end when retirement rates commence.

Age	Regular Employees	Police/Fire Employees
22	0.01%	0.05%
27	0.02%	0.05%
32	0.06%	0.06%
37	0.09%	0.09%
42	0.18%	0.37%
47	0.31%	0.53%
52	0.50%	0.66%
57	0.69%	0.60%
62	0.50%	0.60%

The assumed disability rates are shown below for selected ages:

No disability rates are assumed after age 65.

Mortality Table - For non-disabled male regular members it is the RP-2000 Combined Healthy Mortality Table. For non-disabled female regular members and for all non-disabled police/fire members it is the RP-2000 Combined Healthy Mortality Table set forward one year. The schedules below show the assumed mortality rates and projected life expectancies for selected ages:

	Regular Members							
	Mortalit	d Years emaining						
Age	Males	Females	Males	Females				
40	0.11%	0.08%	39.8	41.7				
50	0.21%	0.19%	30.3	32.1				
60	0.67%	0.58%	21.2	23.0				
70	2.22%	1.86%	13.4	15.0				
80	6.44%	5.08%	7.3	8.6				

	Police/Fire Members							
	Mortalit	ty Rates	Expecte of Life R	d Years emaining				
Age	Males	Females	Males	Females				
40	0.11%	0.08%	38.8	41.7				
50	0.24%	0.19%	29.4	32.1				
60	0.77%	0.58%	20.4	23.0				
70	2.46%	1.86%	12.7	15.0				
80	7.20%	5.08%	6.7	8.6				

# ACTUARIAL SECTION

The mortality table used in the actuarial valuation to project mortality rates for disabled male members is the RP-2000 Disabled Retiree Mortality Table set back three years for regular members and the RP-2000 Combined Healthy Mortality Table set forward ten years for police/fire members. For both regular and police/fire disabled female members, it is the RP-2000 Disabled Retiree Mortality Table set forward eight years.

## Presence and Age of Beneficiary

It is assumed for purposes of the actuarial valuation that beneficiaries of female members are three years older than the female member. Beneficiaries of male members are assumed to be three years younger than the male member.

Since pre-retirement death benefits are payable to a surviving beneficiary of an unmarried member, all members are assumed to have a beneficiary upon pre-retirement death.

The unmodified option is a straight life annuity except for "employer-pay" Police/Fire retirees, for whom it is a 50% joint and survivor annuity. Existing "employer-pay" Police/Fire retirees with an unmodified option who retired after June 30, 1981 and before July 1, 2007 have been valued assuming no surviving spouse, pending the results of an analysis and verification of spousal information. The assumed probability of marriage at retirement for future "employer-pay" Police/Fire retirees are shown below for selected ages:

Age	Male	Female
22	33.0%	37.1%
27	58.9%	65.2%
32	65.3%	61.8%
37	71.3%	63.6%
42	71.4%	63.1%
47	73.3%	61.0%
52	75.7%	64.0%
57	77.0%	57.6%
62	74.0%	49.5%

#### **Dependent Children**

The assumption for dependent children in the actuarial valuation is one dependent child who is 28 years younger than the employee.

#### Asset Valuation Method

The actuarial value of assets is equal to the prior year's actuarial value of assets plus contributions, less benefit payments and expenses, an adjustment for net transfers, plus expected investment return, and 20% of each of the previous five years' gain/(loss) due to investment return greater/(less) than expected. The actuarial value of assets is further limited to not less than 70% or greater than 130% of the market value of assets.

#### **Actuarial Funding Method**

The actuarial cost or funding method used in the actuarial valuation is the Entry Age Normal Cost Method. Under this method, the total calculated employer contribution rate consists of the normal cost, the administrative expense allowance, plus the payment required to amortize the unfunded actuarial accrued liability over the established amortization period.

The normal cost rate is the level percentage-of-salary contribution required each year to accumulate over each covered employee's projected working lifetime the reserves needed to meet the cost of projected benefits. The normal cost is determined based on the plan provisions and current benefit accrual rate applicable to that individual.

The total actuarial accrued liability under the Entry Age Normal Cost Method represents the value of all projected benefit payments for current members less the portion that will be paid by future normal costs. The unfunded actuarial accrued liability is the amount obtained by subtracting valuation assets from the total actuarial accrued liability.

#### Amortization of the Unfunded Actuarial Accrued Liability

For funding purposes, the unfunded actuarial accrued liability is amortized over a year-by-year closed amortization period where each amortization period for each year will be set at 30 years. For GASB disclosure, the unfunded accrued liability is amortized over an open (non-declining) amortization period of 30 years.

#### Changes in Actuarial Assumptions and Methods Since the Previous Year

There were no changes in actuarial assumptions or cost methods since the preceding valuation.

# RETIREMENT SYSTEM MEMBERSHIP 2002 to 2011

Active <u>Members</u>	Inactive <u>Members</u>	Retired & Disabled <u>Members</u>	Beneficiaries <u>&amp; Survivors</u>	Total <u>Membership</u>
85,224	6,965	22,011	3,524	117,724
87,327	7,687	23,371	3,669	122,054
90,242	7,829	24,938	3,830	126,839
93,995	9,182	26,962	4,037	134,176
98,187	10,309	29,025	4,237	141,758
103,693	10,990	31,262	4,425	150,370
106,123	11,593	33,479	4,651	155,846
105,417	11,574	37,095	4,810	158,896
102,594	11,807	38,841	5,078	158,320
99,911	12,632	41,259	5,319	159,121
	<u>Members</u> 85,224 87,327 90,242 93,995 98,187 103,693 106,123 105,417 102,594	MembersMembers85,2246,96587,3277,68790,2427,82993,9959,18298,18710,309103,69310,990106,12311,593105,41711,574102,59411,807	Active MembersInactive MembersDisabled Members85,2246,96522,01187,3277,68723,37190,2427,82924,93893,9959,18226,96298,18710,30929,025103,69310,99031,262106,12311,59333,479105,41711,57437,095102,59411,80738,841	Active MembersInactive MembersDisabled MembersBeneficiaries & Survivors85,2246,96522,0113,52487,3277,68723,3713,66990,2427,82924,9383,83093,9959,18226,9624,03798,18710,30929,0254,237103,69310,99031,2624,425106,12311,59333,4794,651105,41711,57437,0954,810102,59411,80738,8415,078

#### **SCHEDULE 2**

# ACTIVE MEMBER VALUATION DATA 2002 to 2011

	Numb <u>Active M</u>			Annual Payroll (millions)		ual 2 Salary	Percent Increase <u>Average Salary</u>	
		Police/		Police/		Police/	_	Police/
<u>June 30</u>	Regular	Fire	Regular	<u> </u>	Regular	Fire	<u>Regular</u>	Fire
2002	75,518	9,706	\$ 2,877.7	\$ 539.9	\$ 38,106	\$ 55,628	4.1 %	10.0 %
2003	77,569	9,758	3,040.1	555.3	39,193	56,907	2.9	2.3
2004	79,848	10,394	3,199.5	613.3	40,069	59,008	2.2	3.7
2005	83,224	10,771	3,404.0	660.0	40,901	61,277	2.1	3.8
2006	87,020	11,167	3,648.6	717.5	41,929	64,250	2.5	4.9
2007	91,757	11,936	3,978.1	791.6	43,355	66,316	3.4	3.2
2008	93,816	12,307	4,330.5	863.9	46,159	70,194	6.5	5.8
2009	92,784	12,633	4,467.7	905.4	48,151	71,669	4.3	2.1
2010	90,219	12,375	4,457.5	908.0	49,407	73,373	2.6	2.4
2011	87,975	11,936	4,332.6	882.0	49,248	73,895	(0.3)	0.7

# PAY STATUS PARTICIPANTS ADDED TO AND REMOVED FROM THE ROLLS 2002 to 2011

#### **RETIREES AND BENEFICIARIES**

		Added 1	<u>to Rolls</u>	Removed	<u>l from Rolls</u>	Rolls at	<u>End of Year</u>		
	Desturing		A		A			% Increase	Average
	Beginning		Annual		Annual		Annual	in Annual	Annual
<u>June 30</u>	Balance	Number	Allowances	Number	Allowances	Number	Allowances	Allowances	Allowances
2002	21,489	2,017	\$52,934,066	(707)	(\$11,901,499)	22,799	\$515,044,612	11.2%	\$22,591
2003	22,799	2,028	54,693,801	(702)	(12,333,157)	24,125	572,093,340	11.1	23,714
2004	24,125	2,283	62,097,018	(742)	(13,656,840)	25,666	636,595,582	11.3	24,803
2005	25,666	2,727	81,174,174	(732)	(14,848,050)	27,661	722,702,905	13.5	26,127
2006	27,661	2,762	81,562,280	(710)	(14,789,407)	29,713	810,259,691	12.1	27,270
2007	29,713	3,005	91,153,219	(795)	(17,445,492)	31,923	906,337,590	11.9	28,391
2008	31,923	3,118	98,180,394	(875)	(18,596,824)	34,166	1,010,049,395	11.4	29,563
2009	34,166	4,395	153,318,503	(809)	(19,096,137)	37,752	1,172,786,193	16.1	31,066
2010	37,752	2,717	89,297,524	(915)	(22,834,942)	39,554	1,265,227,334	7.9	31,988
2011	39,554	3,443	114,677,405	(1,016)	(27,214,007)	41,891	1,379,326,118	9.0	32,927

#### **DISABILITY RECIPIENTS**

		Added	<u>to Rolls</u>	Remove	d from Rolls	Rolls at	End of Year		
								% Increase	Average
	Beginning		Annual		Annual		Annual	in Annual	Annual
<u>June 30</u>	Balance	Number	Allowances	Number	Allowances	Number	Allowances	Allowances	Allowances
2002	1,355	181	\$2,934,072	(84)	(\$1,322,553)	1,452	\$23,155,128	9.7%	\$15,947
2003	1,452	183	3,052,989	(55)	(753,234)	1,580	26,061,629	12.6	16,495
2004	1,580	198	3,185,565	(85)	(1,378,530)	1,693	28,502,933	9.4	16,836
2005	1,693	222	4,593,174	(75)	(1,310,668)	1,840	32,537,424	14.2	17,683
2006	1,840	237	4,610,636	(87)	(1,478,451)	1,990	36,475,093	12.1	18,329
2007	1,990	243	5,357,238	(90)	(1,905,849)	2,143	40,799,325	11.9	19,038
2008	2,143	223	5,162,630	(121)	(2,175,505)	2,245	44,738,669	9.7	19,928
2009	2,245	267	6,957,349	(109)	(1,997,230)	2,403	50,775,027	13.5	21,130
2010	2,403	218	5,437,237	(106)	(2,128,188)	2,515	55,151,437	8.6	21,929
2011	2,515	266	7,149,107	(113)	(2,423,831)	2,668	61,000,876	10.6	22,864

#### SURVIVOR ANNUITANTS

Added to Rolls Removed from Rolls Rolls at End of Year									
June 30	Beginning Balance	Number	Annual Allowances	Number	Annual Allowances	Number	Annual Allowances	% Increase in Annual Allowances	Average Annual <u>Allowances</u>
2002	1,233	121	\$1,244,727	(70)	(\$720,090)	1,284	\$13,208,347	7.4%	\$10,287
2003	1,284	121	1,406,944	(70)	(548,713)	1,335	14,487,802	9.7	10,852
2004	1,335	136	1,616,992	(62)	(469,614)	1,409	16,063,816	10.9	11,401
2005	1,409	118	1,605,532	(29)	(369,222)	1,498	17,755,952	10.5	11,853
2006	1,498	147	1,673,808	(86)	(651,337)	1,559	19,303,127	8.7	12,382
2007	1,559	148	1,896,176	(86)	(792,804)	1,621	20,944,150	8.5	12,921
2008	1,621	161	1,905,857	(63)	(512,942)	1,719	22,920,123	9.4	13,333
2009	1,719	124	1,449,221	(93)	(751,205)	1,750	24,257,755	5.8	13,862
2010	1,750	174	1,977,291	(74)	(710,074)	1,850	26,115,812	7.7	14,117
2011	1,850	162	1,999,587	(83)	(825,074)	1,929	27,852,395	6.6	14,439

#### SOLVENCY TEST (millions)

#### 2002 to 2011

	Actu	uarial Accrued Liabil	lities				
June 20	Active Member Contributions (1)	Retirees and Beneficiaries Inactive and Pay- Status Members* (2)	Active Members Employer Financed Portion	Actuarial Value of		Liabiliti by Asset	es ts
<u>June 30</u>	(1)	(2)	(3)	Assets	(1)	(2)	(3)
2002	\$ 352.1	\$ 7,559.7	\$ 10,348.1	\$ 15,052.3	100%	100%	69.0%
2003	368.3	8,291.2	10,881.2	15,883.0	100	100	66.3
2004	403.4	9,312.1	11,669.9	16,830.3	100	100	61.0
2005	448.7	10,663.4	12,496.6	17,886.5	100	100	54.2
2006	483.3	11,852.6	13,403.2	19,282.0	100	100	51.8
2007	521.5	12,717.0	14,433.1	21,359.0	100	100	56.3
2008	574.8	14,258.6	15,662.5	23,237.7	100	100	53.7
2009	606.0	16,367.0	16,102.2	23,971.9	100	100	43.5
2010	650.5	17,574.5	16,852.7	24,725.5	100	100	38.6
2011	679.9	19,206.9	16,989.4	25,871.1	100	100	35.2

<sup>\*</sup> Includes liability for post-retirement benefit increases.

#### ANALYSIS OF ACTUARIAL EXPERIENCE

# Gains and Losses in Actuarial Accrued Liabilities (AAL) During Year Ended June 30, 2011 Resulting from Differences Between Assumed Experience and Actual Experience (Dollar Amounts in Millions)

	Regular		Polic	e/Fire
		As Pct		As Pct
Type of Activity	Amount	of AAL	Amount	of AAL
Age and Service Retirements. If members retire at older	(\$107.2)	(0.37%)	(\$14.3)	(0.18%)
ages or with lower final average pay than assumed, there				
is a gain. If retirements occur at younger ages with higher				
average pay, there is a loss.			0.5	0.010/
<b>Disability Retirements.</b> If disability claims are less than	(15.5)	(0.05%)	0.6	0.01%
assumed, there is a gain. If there are more claims, there is				
a loss.	0.0	0.020/	(12.0)	(0, 1, co())
<b>Pre- and Post-Retirement Deaths</b> . If retirees live longer	8.0	0.03%	(12.9)	(0.16%)
than assumed, there is a loss. If retirees live shorter than				
assumed, there is a gain. <b>Post-Retirement Benefit Increases.</b> If increases are	90.6	0.31%	21.6	0.27%
more than assumed, there is a loss. If increases are less	90.0	0.31%	21.0	0.27%
than assumed, there is a gain.				
Withdrawal From Employment. If more liabilities are	41.4	0.14%	3.8	0.05%
released by withdrawals than assumed, there is a gain. If	41.4	0.1470	5.0	0.0570
less liabilities are released, there is a loss.				
<b>Pay Increases.</b> If there are smaller pay increases than	521.3	1.80%	206.9	2.62%
assumed, there is a gain. If there are greater increases,	021.0	1.0070	2000	2:02/0
there is a loss.				
Active New Entrants. Cost due to new hires.	(43.4)	(0.15%)	(4.4)	(0.06%)
Active Rehires. Some new active members have past	(22.4)	(0.07%)	(3.1)	(0.04%)
service credits reinstated, thereby increasing costs due to		, , ,	· · ·	<b>`</b>
the unanticipated liabilities.				
Inactive and Retiree Showups. Persons in inactive or	(11.3)	(0.04%)	(0.8)	(0.01%)
pay status who are added to the valuation data during the				
year.				
Other. Miscellaneous gains and losses result from data	18.5	0.06%	1.5	0.02%
changes and adjustments, timing of financial transactions,				
and other miscellaneous impacts on the valuation results.				
Total Liability Experience Gain (Loss) During Year.	480.0	1.66%	198.9	2.52%
<b>Investment Income.</b> If there is a greater investment	(625.2)	(2.16%)	(149.3)	(1.89%)
income than assumed, there is a gain. If there is less				
income, there is a loss.		(0. 50 * ))	10.5	0
<b>Total Experience Gain (Loss) During the Year.</b>	(145.2)	(0.50%)	49.6	0.63%

#### June 30, 2011

# Actuarial Valuation Statement (GASB Disclosure Basis)

Normal Cost		Regular Employees		Police/Fire Employees		Total	
Employer Normal Cost* Employee contributions	\$	682,890,539 94,033,662	\$	261,797,163 16,742,588	\$	944,687,702 110,776,250	
Total Normal Cost	\$	776,924,201	\$	278,539,751	\$	1,055,463,952	
Actuarial Accrued Liability							
Active members Inactive members Pensioners, beneficiaries and disabled Survivors	\$	13,548,633,871 802,550,659 14,329,794,238 307,808,573	\$	4,120,631,015 72,929,900 3,644,630,145 49,213,766	\$	17,669,264,886 875,480,559 17,974,424,383 357,022,339	
Total Actuarial Accrued Liability	\$	28,988,787,341	\$	7,887,404,826	\$	36,876,192,167	
Assets at Actuarial Value	\$	20,474,689,032	\$	5,396,450,678	\$	25,871,139,710	
Total Unfunded Actuarial Accrued Liability	\$	8,514,098,309	\$	2,490,954,148	\$	11,005,052,457	
Payment to amortize unfunded actuarial accrued liability over 30 years, based on level percentage of payroll amortization	\$	414,555,684	\$	121,285,797	\$	535,841,481	
<b>Rate Payroll</b> Employer-Pay Rate Payroll Employee/Employer Rate Payroll	\$	4,099,536,674 747,888,475	\$	885,397,605 84,812,231	\$	4,984,934,279 832,700,706	
Total Rate Payroll	\$	4,847,425,149	\$	970,209,836	\$	5,817,634,985	

\* See cost-sharing mechanisms in NRS 286.410 and NRS 286.421

#### June 30, 2011

#### Actuarial Valuation Statement (continued) (GASB Disclosure Basis)

#### Contribution Rates (as percentage of rate payroll)

	Regular Employees	Police/Fire Employees
Employer-Pay		
Employer-Pay, current statutory rate for Fiscal Years July 1, 2011 through June 30, 2013	23.75%	39.75%
Employer-Pay, calculated rate Employer normal cost Amortization percentage Administrative expenses Employer-Pay, total rate	15.88% 8.55% <u>0.15%</u> 24.58%	28.63% 12.50% <u>0.15%</u> 41.28%
New statutory rounded rate	N/A	N/A
Employee/Employer		
Employee/Employer, current statutory rate for Fiscal Years July 1, 2011 through June 30, 2013	24.50%	40.50%
Employee/Employer, calculated rate Employee contribution rate Employer normal cost Amortization percentage Administrative expenses Employee/Employer, total rate	12.25% 4.61% 8.55% 0.15% 25.56%	20.25% 9.26% 12.50% <u>0.15%</u> 42.16%
New statutory rounded rate	N/A	N/A

The Public Employees' Retirement System of the State of Nevada is funded on an actuarial reserve basis. Participating employers are making contributions to the Retirement System based on the results of actuarial valuations and the statutory funding provisions of the Public Employees' Retirement Act.

The actuarial calculations performed solely for the GASB Disclosure were made in accordance with generally accepted actuarial principles and procedures, based on the current provisions of the Public Employees' Retirement Act and on the actuarial assumptions and methods recommended to the Public Employees' Retirement Board and as required under GASB No. 25. A comparison of the funding contribution rates and the GASB disclosure contribution rates can be found in the Certification Letter.

#### June 30, 2011

#### Actuarial Valuation Statement (continued) (GASB Disclosure Basis)

We are members of the American Academy of Actuaries and we meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion herein.

Bloon

Brad Ramirez, FSA, MAAA, EA Consulting Actuary

John Monoe

John Monroe, ASA, MAAA, EA Vice President and Associate Actuary

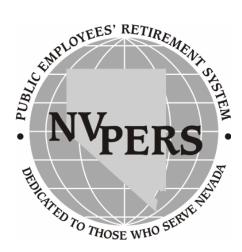
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MA

Thomas D. Levy, FSA, MAAA, EA Senior Vice President and Chief Actuary

Kino Schneider

Kurt Schneider, ASA, MAAA, EA Associate Actuary



# STATISTICAL SECTION

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# STATISTICAL HIGHLIGHTS

#### **Data Sources**

Financial data presented in this section was obtained directly from June 30 audited financial statements. Demographic data was taken from actuarial records, both from an independent actuary and from internal System records provided to the actuary. Contribution rate history was compiled from actuarial valuations prepared by an independent actuary on an annual basis. Participating employer information was obtained from internal records and verified with actuarial data.

#### **Change in Net Assets**

As exhibited in Schedule 1, three of the past ten years (2002, 2008, and 2009) resulted in a negative change to net assets, with fiscal year 2009 being the most severe. The 2002 result may largely be attributed to the World Trade Center event of September 11, 2001. The decreases experienced during 2008 and 2009 are primarily the result of difficult and widespread economic conditions which began in 2008 and began recovering during 2010. The PERS investment program generated the 8% actuarial goal for fiscal year 2011, and the fund outperformed its market objective. The 9.7% since inception (27 years) annualized return of the plan exceeds the actuarial objective.

#### **Plan Membership**

Active membership in PERS for fiscal year 2011 decreased by 2,683 or 2.6%. While this is not a material number, this is the third consecutive year membership has decreased. Until 2009, the State of Nevada had been among the top five fastest growing states in the country for many years and had shown only upward trends in membership numbers.

This year's decrease in membership may be a reflection of the large number of retirement inceptions during the year, coupled with the widespread economic downturn that began in 2008 which caused more positions to remain unfilled, staff layoffs, and fewer or no new positions to be created. The number of benefit recipients (excluding survivors and beneficiaries) increased by 2,418 or 6.2%. We expect to see consistent growth in the number of retired members over the following years.

The increase in retired members and the decrease in active members caused the number of active members per retiree to drop from 2.6 to 2.4 (a 7.7% decrease) for Regular members/retirees and from 2.6 to 2.3 (an 11.5% decrease) for Police/Fire members/retirees. It is expected that as the economy begins to recover active membership will increase. Active and retired membership data, broken down between Regular and Police/Fire members, along with statistics on the number of active members per retiree can be found in Schedule 5 of this section.

#### **Funded Ratio**

The ten-year history of the funded ratio (Actuarial Value of Assets to Actuarial Accrued Liability) appears on the Schedule of Funding Progress (page 46) in the Financial Section of this report. Some possible causes of fluctuations in this ratio are strong or weak investment returns, the smoothing of actuarial gains and losses over five-year periods (see Actuarial Section, Asset Valuation Method narrative for further

# STATISTICAL SECTION

information on smoothing), and changes in the method of amortizing of the Unfunded Actuarial Accrued Liability (such a change occurred effective July 1, 2004). Fiscal years 2008 and 2009 were challenging years regarding investment returns, and this is reflected in the downward trend of the funded ratios for the past several years.

Fluctuations in the funded ratio are to be expected depending on financial and world events, and the existence of unfunded actuarial accrued liabilities is not necessarily an indicator of financial problems. However, the funding ratio is closely monitored and controlled to the best of the System's ability.

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#### CHANGES IN NET ASSETS - LAST TEN FISCAL YEARS

(in millions)

	Fiscal Year						
		2002		2003		2004	2005
Additions							
Employer contributions	\$	680.7 \$	5	724.0	\$	808.3	\$ 875.5
Plan member contributions		53.9		55.4		61.1	66.9
Repayment and purchase of service		24.7		29.4		43.4	63.7
Investment income (net of expenses)		(367.8)		672.9		1,700.8	1,491.3
Other income		2.1		2.1	· -	2.1	 3.3
Total additions to plan net assets		393.6		1,483.8		2,615.7	 2,500.7
Deductions							
Benefit payments		533.0		591.8		657.6	739.8
Refunds		15.8		11.1		12.1	14.5
Administrative and other expenses		8.7		9.6		9.8	9.0
Transfers of contributions				6.7	. –		 
Total deductions from plan net assets		557.5		619.2		679.5	 763.3
Change in net assets	\$	(163.9) \$	5_	864.6	\$	1,936.2	\$ 1,737.4

Notes:

Contribution rates increased July 1 of 2004, 2006, 2008, and 2010. Computer system replacement project from 2001 through 2004. Information is from internal System records.

 2006		2007		2008	2009	2010	2011
\$ 966.1	\$	1,046.6	\$	1,167.4 \$	1,213.1 \$	1,281.7 \$	1,264.8
76.0		83.2		88.0	93.6	99.7	97.0
42.2		45.6		43.3	28.1	26.9	31.5
1,567.3		2,937.1		(743.1)	(3,543.4)	2,059.4	4,402.4
3.1		3.3		2.4	2.4	1.9	2.2
	_						
 2,654.7		4,115.8		558.0	(2,206.2)	3,469.6	5,797.9
832.6		929.4		1,033.3	1,189.6	1,301.6	1,412.1
13.9		17.4		16.8	18.6	20.3	24.8
8.2		8.6		8.7	9.7	11.1	10.6
 4.7		2.0		2.6	3.8	0.5	1.5
 859.4		957.4		1,061.4	1,221.7	1,333.5	1,449.0
\$ 1,795.3	\$	3,158.4	\$_	(503.4) \$	(3,427.9) \$	2,136.1 \$	4,348.9

**Fiscal Year** 

# SCHEDULE 2 BENEFIT AND REFUND DEDUCTIONS FROM NET ASSETS

(in millions)

	 2002		2003	_	2004		2005
Regular Members:							
Benefits							
Retirement and survivor	\$ 415.5	\$		\$		\$	
Disability	22.6		24.7		27.8		31.0
Post-retirement increases	 0.1		0.1	_	-	· <u> </u>	
Total benefits	\$ 438.2	\$	485.0	\$_	537.3	\$	605.1
Total refunds of contributions	\$ 13.4	\$	8.7	\$_	9.1	\$	11.1
Police/Fire Members:							
Benefits							
Retirement and survivor	\$ 88.3	\$	99.7	\$	112.6	\$	126.6
Disability	 6.5	· _	7.1	_	7.6		8.1
Total benefits	\$ 94.8	\$	106.8	\$_	120.2	\$	134.7
Total refunds of contributions	\$ 2.4	\$	2.4	\$_	3.0	\$	3.4
Total Members:							
Benefits							
Retirement and survivor	\$ 503.8	\$	559.9	\$	622.1	\$	700.7
Disability	29.1		31.8		35.4		39.1
Post-retirement increases	 0.1		0.1	_	0.1		
Total benefits	\$ 533.0	\$	591.8	\$_	657.6	\$	739.8
Total refunds of contributions	\$ 15.8	\$	11.1	\$	12.1	\$	14.5

Notes:

Both Regular and Police/Fire retired members received post-retirement increases each year. However, in all years for Police/Fire members, and in some years for Regular members, the amounts were immaterial for purposes of this schedule. Information is from internal System records.

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	2006	_	2007	_	2008		2009	_	2010	-	2011
\$	644.5 35.5	\$	716.9 39.8 0.1		797.7 44.0 -		924.7 48.8		1,008.3 52.9	\$	1,085.8 58.3
\$_	680.0	\$_	756.8	\$_	841.7	\$	973.5	\$_	1,061.2	\$_	1,144.1
\$_	11.2	\$_	14.0	\$_	12.5	\$	14.5	\$_	15.1	\$_	18.6
\$			163.4 9.2								254.4 13.6
\$_	152.5	\$_	172.6	\$_	191.5	\$_	216.1	\$_	240.4	\$_	268.0
\$_	2.7	\$_	3.4	\$_	4.3	\$	4.1	\$_	5.2	\$_	6.2
\$	788.2 44.3	\$ _	880.3 49.0 0.1		979.3 53.9 -	\$	1,129.6 60.0	\$	1,236.2 65.4	\$	1,340.2 71.9
\$_	832.5	\$_	929.4	\$_	1,033.2	\$	1,189.6	\$_	1,301.6	\$_	1,412.1
\$_	13.9	\$_	17.4	\$_	16.8	\$_	18.6	\$	20.3	\$_	24.8

#### **Fiscal Year**

# RETIRED MEMBERS BY TYPE OF BENEFIT As of June 30, 2011 (Page 1 of 2)

#### **Regular Retired Members**

Amount of	Number of Retired		Type of <b>F</b>	Retirement	
Monthly Benefit	Members	Service	Disability	Beneficiary	Survivor
Under \$1,000	10,544	7,657	735	1,019	1,133
\$1,000 - \$1,999	10,280	8,362	724	923	271
\$2,000 - \$2,999	6,608	5,509	461	474	164
\$3,000 - \$3,999	5,076	4,518	221	237	100
\$4,000 - \$4,999	4,536	4,304	81	114	37
\$5,000 - \$5,999	1,891	1,809	32	41	9
\$6,000 - \$6,999	955	928	9	14	4
\$7,000 - \$7,999	424	411	4	8	1
\$8,000 - \$8,999	197	195	1	-	1
\$9,000 - \$9,999	67	66	-	1	-
\$10,000 & Over	97	96		1	
Total	40,675	33,855	2,268	2,832	1,720

# RETIRED MEMBERS BY TYPE OF BENEFIT As of June 30, 2011 (Page 2 of 2)

# **Police/Fire Retired Members**

Amount of	Number of Retired		Type of <b>F</b>	Retirement	
Monthly Benefit	Members	Service	Disability	Beneficiary	Survivor
Under \$1,000	606	302	49	126	129
\$1,000 - \$1,999	938	579	124	208	27
\$2,000 - \$2,999	864	618	110	119	17
\$3,000 - \$3,999	845	707	56	60	22
\$4,000 - \$4,999	773	700	40	25	8
\$5,000 - \$5,999	645	617	13	10	5
\$6,000 - \$6,999	463	454	4	4	1
\$7,000 - \$7,999	303	300	1	2	-
\$8,000 - \$8,999	174	172	-	2	-
\$9,000 - \$9,999	125	123	1	1	-
\$10,000 & Over	167	164	2	1	
Total	5,903	4,736	400	558	209

Information provided by The Segal Company, the System's actuary.

# AVERAGE BENEFIT PAYMENTS (Page 1 of 2)

June 30		Regular Members	Police/Fire Members
2002	Average monthly benefit Average monthly compensation at retirement	\$1,799 \$4,143	\$2,664 \$5,637
	Number of new retirees	1,582	220
	Average years of service at retirement	19.40	21.64
	Average age at retirement	58	53
2003	Average monthly benefit	\$1,879	\$2,862
	Average monthly compensation at retirement	\$4,238	\$5,931
	Number of new retirees	1,731	283
	Average years of service at retirement	19.32	21.78
	Average age at retirement	59	54
2004	Average monthly benefit	\$1,961	\$3,014
	Average monthly compensation at retirement	\$4,356	\$6,189
	Number of new retirees	1,981	262
	Average years of service at retirement	18.73	21.65
	Average age at retirement	59	54
2005	Average monthly benefit	\$2,062	\$3,184
	Average monthly compensation at retirement	\$4,600	\$6,578
	Number of new retirees	2,446	279
	Average years of service at retirement	19.14	21.77
	Average age at retirement	59	55
2006	Average monthly benefit	\$2,136	\$3,387
	Average monthly compensation at retirement	\$4,643	\$7,153
	Number of new retirees	2,445	328
	Average years of service at retirement	18.51	22.33
	Average age at retirement	60	55

#### AVERAGE BENEFIT PAYMENTS (Page 2 of 2)

<u>June 30</u>		Regular Members	Police/Fire Members
2007	Average monthly benefit	\$2,216	\$3,549
	Average monthly compensation at retirement	\$4,800	\$7,421
	Number of new retirees	2,678	299
	Average years of service at retirement	18.93	22.55
	Average age at retirement	60	55
2008	Average monthly benefit	\$2,306	\$3,740
	Average monthly compensation at retirement	\$5,054	\$7,458
	Number of new retirees	2,710	345
	Average years of service at retirement	19.04	22.30
	Average age at retirement	60	55
2009	Average monthly benefit	\$2,428	\$3,926
	Average monthly compensation at retirement	\$5,139	\$7,710
	Number of new retirees	3,996	379
	Average years of service at retirement	19.80	22.21
	Average age at retirement	61	54
2010	Average monthly benefit	\$2,486	\$4,141
2010	Average monthly compensation at retirement	\$5,309	\$8,250
	Number of new retirees	2,252	357
	Average years of service at retirement	18.15	23.01
	Average age at retirement	61	55
2011	Average monthly benefit	\$2,539	\$4,348
	Average monthly compensation at retirement	\$4,890	\$7,343
	Number of new retirees	2,933	433
	Average years of service at retirement	19.38	22.53
	Average age at retirement	64	58

Number of new retirees excludes survivors and beneficiaries.

The average monthly benefit and number of new retirees is from The Segal Company, the System's actuarial firm. All other data is from internal System records.

# **SCHEDULE 5**

	Number of Active Members		Numb Retired M		Active Members per Retiree		
<u>June 30</u>	<u>Regular</u>	Police/ <u>Fire</u>	<u>Regular</u>	Police/ <u>Fire</u>	<u>Regular</u>	Police/ <u>Fire</u>	
2002	75,518	9,706	19,191	2,820	3.9	3.4	
2003	77,569	9,758	20,330	3,041	3.8	3.2	
2004	79,848	10,394	21,707	3,231	3.7	3.2	
2005	83,224	10,771	23,520	3,442	3.5	3.1	
2006	87,020	11,167	25,296	3,729	3.4	3.0	
2007	91,757	11,936	27,313	3,949	3.4	3.0	
2008	93,816	12,307	29,270	4,209	3.2	2.9	
2009	92,784	12,633	32,578	4,517	2.8	2.8	
2010	90,219	12,375	34,047	4,794	2.6	2.6	
2011	87,975	11,936	36,123	5,136	2.4	2.3	

# NUMBER OF ACTIVE MEMBERS PER RETIREE

\* Excluding survivors and beneficiaries Information provided by The Segal Company, the System's actuary.

### **SCHEDULE 6**

#### **CONTRIBUTION RATE HISTORY**

	Funding Basis Contribution Rates <sup>a</sup>		GASB Di Contributio		Statutory Contribution Rates <sup>b</sup>			
<u>June 30</u>	<u>Regular</u>	Police/ <u>Fire</u>	<u>Regular</u>	Police/ <u>Fire</u>	<u>Regular</u>	Police/ <u>Fire</u>		
Employer Pay Plan								
2002 2003 2004 2005 2006 2007 2008 2009 2010 2011	18.96% 20.32 20.07 19.70 20.44 20.44 20.82 21.54 22.57 23.63	28.45% 28.81 32.60 32.12 33.24 33.55 36.97 37.06 38.39 39.77	19.45% 20.91 20.66 20.46 21.24 21.15 21.30 21.98 23.07 24.07	29.70% 30.13 35.00 34.98 36.15 36.37 39.36 39.27 40.62 41.95	18.75% $18.75$ $20.25$ $20.25$ $19.75$ $19.75$ $20.50$ $20.50$ $21.50$ $21.50$	28.50% 28.50 28.50 32.00 32.00 33.50 33.50 37.00 37.00		
Employee/Employer Plan								
2002 2003 2004 2005 2006 2007 2008 2009 2010 2011	$\begin{array}{c} 9.91\% \\ 10.59 \\ 10.51 \\ 10.31 \\ 10.68 \\ 10.67 \\ 10.83 \\ 11.21 \\ 11.74 \\ 12.26 \end{array}$	14.68% 14.79 16.68 16.44 17.08 17.22 18.86 18.92 19.61 20.27	$10.16\% \\ 10.89 \\ 10.81 \\ 10.69 \\ 11.08 \\ 11.02 \\ 11.07 \\ 11.43 \\ 11.99 \\ 12.48$	15.30% 15.45 17.88 17.87 18.53 18.63 20.01 20.02 20.72 21.36	$\begin{array}{c} 9.75\%\\ 9.75\\ 10.50\\ 10.50\\ 10.50\\ 10.50\\ 10.50\\ 10.50\\ 11.25\\ 11.25\end{array}$	$14.75\% \\ 14.75 \\ 14.75 \\ 14.75 \\ 16.50 \\ 16.50 \\ 17.25 \\ 17.25 \\ 19.00 \\ 19.00 \\ 19.00 \\$		

<sup>a</sup> Funding basis and GASB disclosure contribution rates are provided by The Segal Company, the System's actuary.

<sup>b</sup> Statutory contribution rates are calculated (see Actuarial Section of this report for calculation parameters) and effective July 1 of each odd-numbered fiscal year.

# **SCHEDULE 7** PARTICIPATING EMPLOYERS

(Page 1 of 3)

**State of Nevada and Related Agencies** Board of Examiners for Alcohol & Drug Abuse Counselors Humboldt County School District Cosmetology Board Department of Transportation Legislative Counsel Bureau Liquefied Petroleum Gas Board Nevada Rural Housing Authority Public Employees' Retirement System State Board of Accountancy State Board of Architecture State Board of Chiropractic Examiners State Board of Dental Examiners State Board of Examiners for Social Workers State Board of Massage Therapy State Board of Medical Examiners State Board of Nursing State Board of Optometry State Board of Osteopathic Medicine State Board of Pharmacy State Board of Physical Therapy Examiners State Board of Veterinary Medical Examiners State Personnel

#### University of Nevada System

University of Nevada, Las Vegas University of Nevada, Reno

#### Schools

100 Academy of Excellence Academy for Career Education Alpine Academy Charter School Andre Agassi College Preparatory Academy Bailey Charter Elementary School Beacon Academy of Nevada Carson City School District Carson Montessori School **Churchill County School District** Clark County School District Coral Academy Las Vegas Coral Academy of Science Charter School Douglas County School District Elko County School District Elko Institute for Academic Achievement Esmeralda County School District Eureka County School District Explore Knowledge Charter School

High Desert Montessori School ICDA Charter High School Imagine School in the Vallé **Innovations Charter School** Lander County School District Las Vegas Charter School of the Deaf Lincoln County School District Lyon County School District Mariposa Academy of Language and Learning Mineral County School District Nevada Connections Academy Nevada State High School Nevada Virtual Academy Nye County School District Odyssey Charter School Pershing County School District Rainbow Dreams Academy Rainshadow Charter School Sierra Nevada Academy Silver Sands Montessori Charter School Silver State High School Storey County School District Team A Washoe Charter School Washoe County School District Westcare Charter School White Pine County School District

#### Counties

Churchill County Clark County **Douglas County** Elko County Esmeralda County Eureka County Humboldt County Lander County Lincoln County Lyon County Mineral County Nye County Pershing County Storey County Washoe County White Pine County

# SCHEDULE 7 PARTICIPATING EMPLOYERS

(Page 2 of 3)

#### Cities

City of Boulder City of Caliente City of Carlin City of Carson City of Elko City of Ely City of Fallon City of Fernley City of Henderson City of Las Vegas City of Lovelock City of Mesquite City of North Las Vegas City of Reno City of Sparks City of Wells City of West Wendover City of Winnemucca City of Yerington

#### Hospitals

Battle Mountain General Hospital Grover C. Dils Medical Center Humboldt General Hospital Mount Grant General Hospital Pershing General Hospital University Medical Center of Southern Nevada William Bee Ririe Hospital

#### Utility, Irrigation, and Sanitation Districts

Alamo Sewer & Water General Improvement District Beatty Water and Sanitation District CC Communications Clark County Water Reclamation District Clean Water Coalition Douglas County Sewer and Water District Lander County Sewer and Water Lincoln County Power District Lovelock Meadows Water District McGill-Ruth Consolidated Sewer and Water District Minden-Gardnerville Sanitation District Moapa Valley Water District Overton Power District Pershing County Water Conservation District Truckee Meadows Water Authority Truckee-Carson Irrigation District Virgin Valley Water District Walker River Irrigation District Washoe County Water District

#### **Special Districts and Agencies**

Austin Volunteer Fire Department Battle Mountain Volunteer Fire Department Canyon General Improvement District Carson City Airport Authority Central Dispatch Administrative Authority Churchill County Volunteer Fire Department Churchill Mosquito Abatement District City of Wells Volunteer Fire Department Clark County Health Department Conservation District of Southern Nevada Douglas County Mosquito District East Fork Swimming Pool District Elko Convention and Visitors Authority Elko County Agricultural Association Elko Volunteer Fire Department Gardnerville Ranchos General Improvement District Gerlach General Improvement District Grass Valley Volunteer Fire Department Henderson District Public Libraries Incline Village Visitor's/Convention Bureau Indian Hills Improvement District Kingsbury General Improvement District Lahontan Conservation District Las Vegas Convention/Visitors Authority Las Vegas/Clark County Library District Las Vegas Metropolitan Police Department Lovelock Volunteer Fire Department Mineral County Housing Authority Nevada Association of Counties Nevada Tahoe Conservation District North Lake Tahoe Fire Protection District Palomino Valley General Improvement District Pershing County Volunteer Fire Department Regional Planning Agency of Washoe County **Regional Transportation Commission** Reno Housing Authority Reno/Sparks Convention and Visitors Authority Reno-Tahoe Airport Authority

# SCHEDULE 7 PARTICIPATING EMPLOYERS

(Page 3 of 3)

Round Hill General Improvement District RTC of Southern Nevada Rye Patch Volunteer Fire Department Sierra Fire Protection District Southern Nevada Housing Authority Southern Nevada Workforce Investment Board Stagecoach General Improvement District Sun Valley General Improvement District Tahoe-Douglas District Tahoe-Douglas Fire Protection District White Pine County 474 Fire Protection District White Pine County Tourism and Recreation Board Winnemucca Rural Volunteer Fire Winnemucca Volunteer Fire Department

## SCHEDULE 8 PRINCIPAL PARTICIPATING EMPLOYERS

		2002	
			Percentage
	Covered		of Total
Participating Agencies	Employees	Rank	System
Clark County School District	23,725	1	27.9%
State of Nevada	13,073	2	15.3
Washoe County School District	6,124	3	7.2
Clark County	6,016	4	7.1
Las Vegas Metropolitan Police Department	3,874	5	4.5
University Medical Center of Southern Nevada	3,257	6	3.8
Washoe County	2,599	7	3.0
City of Las Vegas	2,530	8	3.0
University of Nevada, Reno	2,026	9	2.4
Department of Transportation	1,618	10	1.9
Subtotal	64,842		76.1
All other	20,382		23.9
Total 2002 (152 Agencies)	85,224		100.0%
		2011	
			Percentage
	Covered		of Total
Participating Agencies	Employees	Rank	System
Clark County School District	31,420	1	31.3%
State of Nevada	16,361	2	16.4
Washoe County School District	7,244	3	7.3
Clark County	6,825	4	6.8
Las Vegas Metropolitan Police Department	5,015	5	5.0
University Medical Center of Southern Nevada	3,254	6	3.3
Washoe County	2,496	7	2.5
City of Las Vegas	2,496 2,414	8	2.5 2.4
		8 9	2.4 2.1
City of Henderson	2,051	-	
University of Nevada, Reno	1,874	10	1.9
Subtotal	78,954		79.0
All other <sup>a</sup>	20,957		21.0
Total 2011 (181 Agencies)	99,911		100.0%
<sup>a</sup> In 2011 "All other" consisted of:			
Agency Type	I	Number of Agencies	Covered Employees
State of Nevada and Related Agencies		20	487
University of Nevada System		1	1,794
Schools		43	7,013
Counties Cities		14 17	2,842 4,406
Hospitals		6	4,406 663
Utility, Irrigation, and Sanitation Districts		19	747
Special Districts and Agencies		51	3,005
Subtotal		171	20,957
Largest Ten Participating Employers		10	78,954
Total		181	99,911

# **SCHEDULE 9**

#### **AVERAGE AGE AND SERVICE STATISTICS FOR MEMBERS\***

	2002	<u>2011</u>
Regular members:		
Average age	44.6	46.1
Average years of service	8.5	9.6
Police/Fire members:		
Average age	39.8	40.1
Average years of service	9.9	10.7

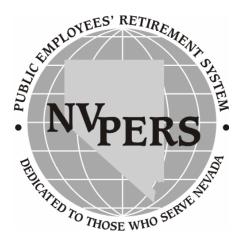
#### **SCHEDULE 10**

#### **AVERAGE SALARIES FOR MEMBERS\***

	As of June 30		Regular	Increase		Police/Fire	Increase	_
	2002	\$	38,106			\$ 55,628		
	2003		39,193	2.9	%	56,907	2.3	%
	2004		40,069	2.2		59,008	3.7	
	2005		40,901	2.1		61,277	3.8	
	2006		41,929	2.5		64,250	4.9	
	2007		43,355	3.4		66,316	3.2	
	2008		46,159	6.5		70,194	5.8	
	2009		48,151	4.3		71,669	2.1	
	2010		49,407	2.6		73,373	2.4	
	2011		49,248	-0.3		73,895	0.7	
Average annual increase 2002 – 2011 2.9 %						3.2	%	

Fiscal Year 2011 All Urban Consumer Price Index (CPI) 3.56%

\* Information provided by The Segal Company



PLAN SUMMARY

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## **Administration**

PERS provides retirement, disability, and death benefits to long-term public employees. The System includes the employees of Nevada counties, cities, schools, state government, and other local public employers.

The governing authority of the System is a 7-member board appointed by the Governor. Day-to-day operations are managed by the Executive Officer. Operating funds are provided by transfer of an administrative fee assigned to each member and benefit recipient. Monthly fees at June 30, 2011, were \$3.10 for each Regular member and benefit recipient and \$3.27 for each Police/Fire member and benefit recipient.

## **Membership**

An employee of a participating public employer is required to be a member of the System from the first day of service if he or she is employed in a position which is normally considered to be half-time or more according to the full-time work schedule established by the public employer. Persons employed in an approved police or fire position are covered under the Police/Fire sub-fund. Persons who are not police or fire employees are covered under the Regular sub-fund. Membership is canceled upon refund, retirement, or death. Membership is not canceled automatically upon termination of employment. A member must apply for a refund, distribution, or retirement to cancel membership.

### **Types of Contribution Plans**

All pay that meets the definition of compensation as defined in NRS 286.025(2) is subject to retirement contribution. New hires (in agencies which did not elect the Employer-Pay Contribution Plan (EPC) prior to July 1, 1983) have the option of selecting EPC or the Employee/Employer Contribution Plan. Each plan is described below.

## **Employer-Pay Contribution Plan (EPC)**

Under EPC, contributions are paid on the employee's behalf by their public employer. However, the employee shares equally in the cost of the contribution rate either through salary reduction or in lieu of a promised pay increase. EPC contributions are not deposited to the individual member's account and are not available for refund upon termination of employment. The EPC contribution rates, through June 30, 2011, were 21.5% for Regular members and 37.0% for Police/Fire members.

## **Employee/Employer Contribution Plan**

Under this plan, through June 30, 2011, the Regular member and the employer each contributed 11.25% of compensation to the System. Police/Fire members and their employers each contributed 19.00% of compensation. Employee contributions made under this plan are refundable upon termination of employment. Employer contributions are not refundable.

Public employees, other than school employees, earn service credit for years, months, and days actually worked. School employees, who are not regular 12-month employees, receive service credit on the basis of a full year if they work full-time for the entire school year. For these same school employees, service for a part of the school year is credited on a ratio of one and one-third days for each day worked.

# Service

# **Purchase of Service**

Members with five years of creditable service may purchase up to five years of service credit. The member must pay the full actuarial cost associated with age and average compensation at the time of purchase.

# **Refund of Contributions**

Members who have contributed under the Employee/Employer Contribution plan may withdraw employee contributions if terminating all employment for which contribution is required or if employed in a position ineligible for membership for at least 90 days. A refund cancels all rights of membership.

# **Repayment of Refunded Contributions**

Members who receive a refund of employee contributions and later return to work and re-establish active membership for a period of at least six months may repay the refunded contributions and restore service credit. Repayment, including interest at the actuarially determined rate, may be in the form of a lump-sum payment or by monthly installments. Service will not be restored until repayment is complete.

# **Benefits**

The 2009 Legislature passed Senate Bill 427 which provided for various changes to the System. While the new law made no changes to the benefits of current members and benefit recipients, it did change some of the benefits allowed new members who enroll on or after January 1, 2010. Such changes are noted within each subject area below.

## Service Retirement Vesting

Contributing members of the System earn the right to receive a retirement benefit after five years of service.

## **Service Retirement**

Requirements for Regular members to retire with an unreduced benefit – age 65 with five years of service, **or** age 60 with ten years of service, **or** any age with thirty years of service.

For Regular members who enter the System on or after January 1, 2010, to retire with an unreduced benefit – age 65 with five years of service, **or** age 62 with ten years of service, **or** any age with thirty years of service.

Requirements for Police/Fire members to retire with an unreduced benefit – age 65 with five years of service, **or** age 55 with ten years of Police/Fire service, **or** age 50 with twenty years of Police/Fire service, **or** at any age with twenty-five years of Police/Fire service.

For Police/Fire members who enter the System on or after January 1, 2010, to retire with an unreduced benefit – age 65 with five years of service, **or** age 60 with ten years of Police/Fire service, **or** age 50 with twenty years of Police/Fire service **or** any age with thirty years of total service.

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Only service performed in a position as a police officer or firefighter may be counted towards eligibility for retirement as Police/Fire accredited service.

### **Early Retirement Penalty**

Members with the years of service necessary to receive a retirement benefit but who have not reached the age for an unreduced benefit may retire at any age with the benefit reduced by 4% for each full year they are under the required age.

Members entering the System on or after January 1, 2010, with the years of service necessary to receive a retirement benefit but who have not reached the age for an unreduced benefit may retire at any age with the benefit reduced by 6% for each full year they are under the required age.

### **Important Factors for Determining Retirement Benefits**

Benefit amounts are based on three factors:

- 1. Average compensation defined as the average of 36 highest consecutive months of compensation and, for members entering the system on or after January 1, 2010, the average of 36 highest consecutive months of compensation with a provision that each 12-month period of salary may not increase greater than 10% of the prior 12 months of salary reported. Salary increases due to promotion and assignment-related compensation are excluded from the salary cap calculation.
- 2. Service credit years, months, and days worked.
- 3. Selection of retirement plan prospective retirees may elect one of seven retirement options.

Option 1 – (the unmodified plan) for Regular members – Pays the full monthly benefit earned but provides no income protection for beneficiary after death.

Option 1 - (the unmodified plan) for Police/Fire members – Pays the full monthly benefit earned for the retiree's lifetime. A person who was the spouse or domestic partner at time of retirement shall be entitled, at the time of the retired employee's death or upon the attainment of age 50; whichever is later, to a benefit of 50% of the deceased retired employee's benefit earned at the time of his/her death in an eligible police/fire position.

Option 2 - Provides an actuarially reduced lifetime benefit. After death the same benefit continues for the lifetime of the beneficiary.

Option 3 - Provides an actuarially reduced lifetime benefit. After death 50% of the benefit continues for the lifetime of the beneficiary.

Option 4 – Provides an actuarially reduced lifetime benefit. After retiree's death and upon beneficiary reaching age 60, the same benefit continues for the lifetime of the beneficiary.

Option 5 – Provides an actuarially reduced lifetime benefit to retiree. After retiree's death and upon beneficiary reaching age 60, 50% of the benefit continues for the lifetime of the beneficiary.

Option 6 – Provides an actuarially reduced lifetime benefit to retiree. Upon death of the retiree, this option provides to the beneficiary a specific sum per month, which cannot exceed the monthly benefit paid to retiree.

## PLAN SUMMARY

Option 7 – Provides an actuarially reduced lifetime benefit to retiree. The option provides to the beneficiary, upon retiree's death and the beneficiary reaching age 60, a specific sum per month, which cannot exceed the monthly benefit paid to retiree.

### Post-Retirement Benefit Increases

Retirees are eligible for annual benefit increases if they began receiving benefits at least three years before the effective date of the increase. Benefits are increased annually on the first day of the month following the anniversary of the commencement of benefits. The increases begin at 2% in years four, five, and six; increase to 3% in years seven, eight, and nine; 3.5% in years ten, eleven, and twelve; 4% for years thirteen and fourteen; and 5% in year fifteen and each year thereafter. If the benefit outpaces inflation in the period since retirement, the increase may be capped by a rolling three-year average of the Consumer Price Index (all items).

Retirees who enter the System on or after January 1, 2010, are eligible for annual benefit increases if they began receiving benefits at least three years before the effective date of the increase. Benefits are increased annually on the first day of the month following the anniversary of the commencement of benefits. The increases begin at 2% in years four, five, and six; increase to 3% in years seven, eight, and nine; 3.5% in years ten, eleven, and twelve; and 4% in year thirteen and each year thereafter. If the benefit outpaces inflation in the period since retirement, the increase may be capped by a rolling three-year average of the Consumer Price Index (all items).

## **Benefit Formula**

The formula used for calculating retirement benefits is as follows:

- Total Service Credit Earned (or purchased) before July 1, 2001 X 2.5% = Service Time Factor
- Total Service Credit Earned (or purchased) on and after July 1, 2001 X 2.67% = Service Time Factor
- Total Service Time Factors X Average Monthly Compensation (36 Highest Consecutive Months of Salary) = Unmodified benefit (Option 1).

For members entering the System on or after January 1, 2010, the formula for calculating retirement benefits is as follows:

- Total Service Credit Earned (or purchased) X 2.5% = Service Time Factor
- Total Service Time Factor X Average Monthly Compensation (36 Highest Consecutive Months of Salary with applicable limits) = Unmodified benefit (Option 1).

Maximum benefits are 90% of average compensation for individuals who became members before July 1, 1985, and 75% of average compensation for individuals who became members after June 30, 1985.

Actuarial reductions are based on the member's age and the beneficiary's age at the time of retirement, determined from tables supplied by the System's actuary.

### **Disability Retirement**

Members with five or more years of service who become totally unable to perform their current or any comparable job because of an injury or mental or physical illness of a permanent nature are eligible to apply for disability retirement. The application must be filed with the System prior to termination of employment. Disability retirement benefits are calculated in the same manner as service retirement without reduction for age.

### Survivor Benefits

## Eligibility

Eligible survivors of a member who dies prior to retirement are entitled to a benefit if:

- 1. The member had two years of service in the two and one-half years immediately preceding death, or
- 2. The member had more than ten years of accredited service, or
- 3. The member's death was caused by an occupational disease or an accident arising out of or in the course of employment, regardless of service credit.

Eligible survivors:

- 1. Spouse or domestic partner
- 2. Each unmarried dependent child under age 18, or up to age 23 if a full-time student.
- 2. Dependent parents, provided there are no other eligible survivors at the time of member's death.
- 4. If the member is unmarried at the time of death, one designated survivor beneficiary. Additional payees may also be designated to receive direct payment of a portion of the survivor beneficiary benefit.

#### **Amount of Survivor Benefits**

Generally, if a member dies with less than ten years of service, the spouse or domestic partner would receive \$450 per month and each dependent child would receive \$400 per month. The spouse or domestic partner would receive survivor benefits for his or her lifetime. Each unmarried dependent child would receive monthly benefits until age 18, or age 23 if he or she is a full-time student.

If a member dies with more than ten years of service credit, the spouse or domestic partner is entitled to a lifetime benefit. The amount of the benefit is based on the member's age, years of service, and average compensation at the time of death. A child would receive the same benefits as previously described.

A member is able to designate one survivor beneficiary to receive benefits (as described above) to be paid if the member is unmarried at the time of death. A member may also designate additional payees to receive direct payment of a portion of the survivor beneficiary benefit.

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