

Comprehensive Annual Financial Report



Fiscal Years Ended June 30, 2015 and June 30, 2014

Consolidated Public Retirement Board
Pension Trust Funds of the State of West Virginia



West Virginia Consolidated Public Retirement Board

Pension Trust Funds of the State of West Virginia

COMPREHENSIVE ANNUAL FINANCIAL REPORT

For the Fiscal Years Ended June 30, 2015 and 2014

**The West Virginia Consolidated Public Retirement Board
Administers the Following Retirement Plans:**

Public Employees' Retirement System
Teachers' Retirement System
State Police Death, Disability, and Retirement System
State Police Retirement System
Deputy Sheriff Retirement System
Judges' Retirement System
Emergency Medical Services Retirement System
Municipal Police Officers & Firefighters Retirement System
Teachers' Defined Contribution Retirement System

Contact Information:

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(304) 558-3570 or (800) 654-4406
CPRB@wv.gov



Municipal Firefighters Charleston

1949

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INTRODUCTORY SECTION



Road Construction Project

Mackeysville, Tucker County

(1929)

March 31, 2016

The Board of Directors
The West Virginia Consolidated Public
Retirement Board
4101 MacCorkle Ave, S.E.
Charleston, WV 25304

Dear Board Members:

It is with great pleasure that we submit our Comprehensive Annual Financial Report (CAFR) of the West Virginia Consolidated Public Retirement Board (WVCPRB) for the fiscal year ended June 30, 2015. The West Virginia Consolidated Public Retirement Board includes the Public Employees Retirement System (PERS), the Teachers Retirement System (TRS), the Teachers Defined Contribution Retirement System (TDCRS), the State Police Death, Disability Retirement System (SPDDRS), the State Police Retirement System (SPRS), the Deputy Sheriffs Retirement System (DSRS), the Judges Retirement System (JRS), the Emergency Medical Service Retirement System (EMSRS) and the Municipal Police Officers & Firefighters System (MPFRS). Each system is considered a fiduciary fund of the State of West Virginia for financial reporting purposes, and, as such, the financial information contained in this report is also included in the State of West Virginia's Comprehensive Annual Financial Report.

Responsibility for both the accuracy of the data, and the completeness and fairness of the presentation including all disclosures, rests with the management of the Systems. Sufficient internal controls exist to provide reasonable assurance regarding the safekeeping of assets and fair presentation of the financial statements, supporting schedules, and statistical tables. We trust that you and the respective members of the Systems will find this report helpful in understanding your retirement system.

Administration and Plan History

The PERS, TRS, TDCRS, SPDDRS, DSRS, EMSRS, MPRS, SPRS and JRS operate under common management and are collectively referred to as The West Virginia Consolidated Public Retirement Board. In addition to executive management, these plans share accounting and information services, the costs of which are allocated to the funds on an equitable basis. The plans were established under various provisions of the Legislature to provide benefits to qualified persons employed by State-supported institutions, entities and components. Additional information regarding the administration and history of each system, including laws establishing the plan and services provided, can be found in the *Financial Section-Notes to the Financial Statements* portion of this report.

Financial Information

Accounting Method - As required by Generally Accepted Accounting Principles (GAAP), the financial information of the PERS, TRS, DRS, TDC, DSRS, EMRS, MPRS, SPRS and JRS is reported on the accrual basis of accounting. Revenues are recognized when earned and expenses are recognized when the corresponding liability is incurred. Investments are reported at fair value.

Internal Controls – The management of the West Virginia Consolidated Public Retirement Board is responsible for maintaining the system of internal controls (system). The system provides management with reasonable, but not absolute, assurance regarding the safeguarding of assets against loss of unauthorized disposition and the reliability of the financial records from which the financial reports are prepared. The concept of reasonable assurance recognizes that the cost of a control should not exceed the resulting benefits.

Summary Comparative Data – Management's Discussion and Analysis (MD&A) includes a narrative introduction, an overview of the financial statements, including the notes and required supplementary information, and summary comparative data for fiscal years 2015 and 2014. Also, an analysis of significant variances between fiscal years 2015 and 2014 is provided in the MD&A.

Plan Funded Position

The funding objective of the WVCPRB pension trust funds is to meet long-term benefit requirements through contributions, which remain relatively level as a percent of member payroll over time, and through investment earnings. During the year ended June 30, 2014 the funded ratios of the 8 defined benefit plans administered by the WVCPRB showed an increase. This was due to positive returns in the investment market during the 2014 fiscal year, which served as the basis for our beginning of year valuation date, but bolstered by continued funding of the closed amortization schedule of the UAAL. The funding percentages for PERS, TRS, SPDDRS, SPRS, DSRS, JRS, EMSRS and MPFRS for fiscal 2014 were 83.1%, 66.2%, 86.1%, 105.5%, 90.1%, 155.8%, 95.0% and 211.4%, respectively. Historical information concerning funding progress is presented in the *actuarial section* for each plan.

Investment Activity

Total investments for the WVCPRB increased in fiscal year 2015, primarily due to both an increase in the fair value of the investments and the income they produced. The total assets for PERS, TRS, DRS, SPRS, DSRS, JRS, EMRS, MPFRS and TDCRS at June 30, 2015 were \$5.854 billion, \$6.804 billion, \$607.34 million, \$132.12 million, \$171.38 million, \$170.70 million, \$56.94 million, \$2.05 million and \$424.4 million, respectively, compared to investment balances for the PERS, TRS, DRS, SPRS, DSRS, JRS, EMSRS, MPFRS and TDCRS of \$5.761 billion, \$6.682 billion, \$601.77 million, \$120.57 million, \$162.75 million, \$165.24 million, \$52.43 million, \$1.20 million and \$401.86 million, respectively, for the fiscal year ended June 30, 2014.

Yields for PERS, TRS, DRS, SPRS, DSRS, JRS, EMRS, MPFRS and TDCRS during fiscal year 2015 were 3.81%; 3.83%; 3.80%; 4.12%; 4.01%; 3.95%; 4.01%; 5.50% and 3.86% respectively, compared to 17.28%; 17.44%; 17.46%; 18.48%; 18.00%; 17.86%; 18.81%; 23.63%; and 14.6% during fiscal year 2014.

Interest and dividend income for the PERS, TRS, SPDDRS, SPRS, DSRS, JRS, EMSRS, MPFRS and TDCRS for the fiscal year ended June 30, 2015, was \$26.94 million, \$31.00 million, \$2.78 million, \$605 thousand, \$793 thousand, \$802 thousand, \$258 thousand, \$7 thousand and \$18.6 million respectively, compared to \$22.85 million, \$26.36 million, \$2.36 million, \$482 thousand, \$701 thousand, \$669 thousand, \$214 thousand, \$3 thousand and \$12.2 million, respectively, for the fiscal year ended June 30, 2014. The increase in fair value of investments for the PERS, TRS, SPDDRS, SPRS, DSRS, JRS, EMSRS, MPFRS and TDCRS for the fiscal year 2015 was \$192.39 million, \$224.99 million, \$20.09 million, \$4.37 million, \$5.74 million, \$5.72 million, \$1.89 million, \$59 thousand and \$(3.08) million, respectively, compared to the increase in fair value of investments of \$841.17 million, \$976.82 million, \$88.52 million, \$17.27 million, \$23.74 million, \$24.59 million, \$7.66 million, 122 thousand and 38.90 million, respectively, for fiscal year 2014. Additional information concerning investments, including investment policies and procedures, is located in the investment section of this Comprehensive Annual Financial Report.

Management's Discussion and Analysis

GASB Statement No. 34 requires that management provide a narrative introduction, overview, and analysis to accompany the Financial Statements in the form of Management's Discussion and Analysis (MD&A). This letter of transmittal is intended to compliment the MD&A and should be read in conjunction with it. The MD&A can be found immediately following the Independent Auditors' Report.

Professional Services

Professional consultants are engaged by the Board to perform certain professional services that are essential to the effective operation of the respective plans. The Certification letters from the independent actuary, in conjunction with our internal actuary, are included in this report. The professional consultants engaged by the Board are listed in the Introductory Section of this report.

Financial Statement Audit

Gibbons and Kawash, A.C., Certified Public Accountants, issued an unmodified ("clean") opinion on the West Virginia Consolidated Public Retirement Board's financial statements for the fiscal year ended June 30, 2015. The independent auditor's report is located at the front of the Financial Section of this report.

Highlights and Initiatives

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the West Virginia Consolidated Public Retirement Board for its comprehensive annual financial report for the fiscal year ended June 30, 2014. In order to be awarded a Certificate of Achievement, a government 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 that our current comprehensive annual financial report continues to meet the Certificate of Achievement Program's requirements and we are submitting it to the GFOA to determine its eligibility for another certificate.

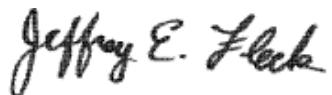
During this fiscal year, the CPRB began the process of designing our new computer system that, when completed, will enhance the experience of the members and retirees as well as expand the reporting capabilities and increase the efficiency in the administration of the plans. The first phase of our computer project, named COMPASS, is expected to "go live" for the first phase of the project in early 2016.

Acknowledgments

The compilation of this report reflects the combined effort of the staff of the West Virginia Consolidated Public Retirement Board under the leadership of its Executive Director and the Guidance of the Board Members. It is intended to provide extensive and reliable information as a basis for making management decisions, determining compliance with legal provisions, and determining responsible stewardship of the funds of the PERS, TRS, SPDDRS, SPRS, DSRS, JRS, EMSRS, MPFRS and TDCRS.

We would like to take this opportunity to express our gratitude to the staff, the Governor, the Board of Directors, the consultants, the legislature, and the many people who have worked so diligently through continued cooperative efforts to assure the successful operation and financial soundness of the PERS, TRS, SPDDRS, SPRS, DSRS, JRS, EMSRS, MPFRS and TDCRS systems.

Sincerely,

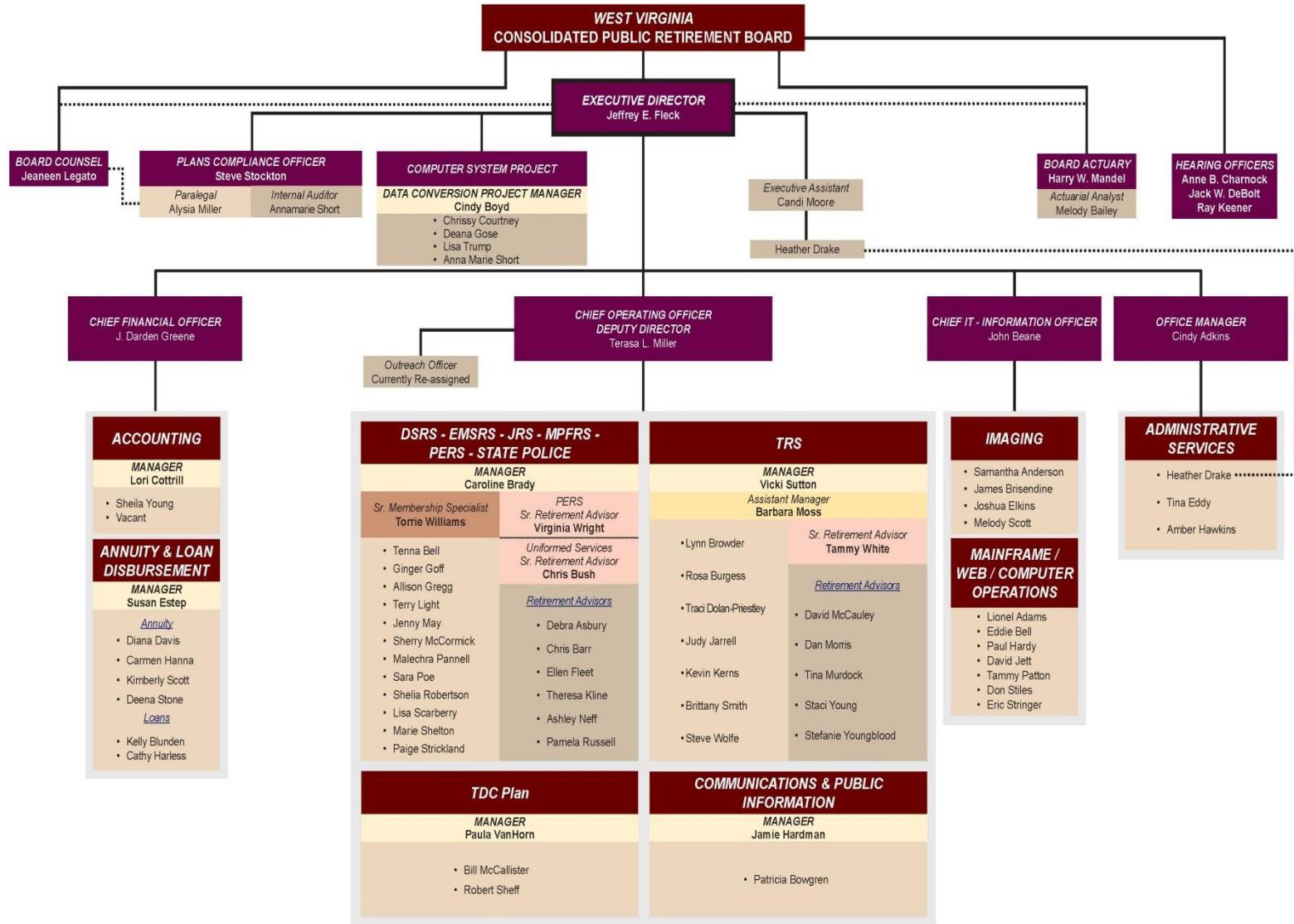


Jeffery E. Fleck
Executive Director



J. Darden Greene, CPA
Chief Financial Officer

INTRODUCTORY SECTION
Organization Chart



West Virginia Consolidated Public Retirement Board

Board of Trustees

Chairman - David L. Wyant
Governor - Earl Ray Tomblin
State Auditor/Vice-Chairman - Glen B. Gainer, III
State Treasurer - John D. Perdue
Cabinet Secretary, State Department of Administration - Jason Pizatella
Joseph Bunn
Captain Michael G. Corsaro
Joe Lynch
D. Todd Murray
Andrew Richardson
Andy Bird
Angela Crank
David Stover
Jeffrey Vallet

INTRODUCTORY SECTION

Staff and Advisors

West Virginia Consolidated Public Retirement Board

Administrative Staff

Executive Director - Jeffrey E. Fleck
Executive Assistant - Candi E. Moore
Chief Operating Officer/Deputy Director - Terasa L. Miller
Administrative Services Manager - Cindy L. Adkins
Chief Financial Officer - J. Darden Greene
Accounting Manager - Lori A. Cottrill
Annuity and Loan Disbursement Manager - Susan Estep
Actuary - Harry W. Mandel
Contract Legal Counsel - Jeanneen J. Legato
TRS Manager - Vicki L. Sutton
PERS/Uniformed Services Manager - Caroline Brady
TDC Manager - Paula M. Vanhorn
Communications/Public Information Manager - Jamie E. Hardman
Compliance Officer - Stephen B. Stockton
Chief IT/Information Officer - John J. Beane

Advisors

Bowles, Rice, LLP, Attorneys
Buck Consultants, Consulting Actuary
West Virginia Investment Management Board, Investment Manager
Gibbons & Kawash, A.C., Independent Certified Public Accountants
LRWL, Inc., Information Technology

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Government Finance Officers Association

**Certificate of
Achievement
for Excellence
in Financial
Reporting**

Presented to

**The West Virginia
Consolidated Public Retirement
Board**

For its Comprehensive Annual
Financial Report
for the Fiscal Year Ended

June 30, 2014

A handwritten signature in black ink, appearing to read "Jeffrey R. Einer".

Executive Director/CEO



West Virginia Supreme Court of Appeals

1933

FINANCIAL SECTION



First McDowell County School Bus

Gary 1917

INDEPENDENT AUDITOR'S REPORT

To the Members of the
West Virginia Consolidated Public
Retirement Board
Charleston, West Virginia

Report on the Financial Statements

We have audited the accompanying financial statements of the pension funds of the West Virginia Consolidated Public Retirement Board (the Board), pension trust funds of the State of West Virginia, as of and for the years ended June 30, 2015 and 2014, and the related notes to the financial statements, which collectively comprise the Board's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

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

Auditor's Responsibility

Our responsibility is to express opinions on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

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

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

Opinions

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of each of the pension funds of the West Virginia Consolidated Public Retirement Board, as of June 30, 2015 and 2014, and the respective changes in financial position thereof for the years then ended in accordance with accounting principles generally accepted in the United States of America.



Emphasis of Matter

As disclosed in Note 1, the financial statements present only the pension trust funds of the State of West Virginia and do not purport to, and do not present fairly the financial position of the State of West Virginia, as of June 30, 2015 and 2014, the changes in its financial position, or, where applicable, its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America. Our opinion is not modified with respect to this matter.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis on pages 17 through 20, and the schedules of net pension liability and changes in net pension liability, schedules of contributions, schedules of investment returns, and the accompanying notes to required supplementary information on pages 64 through 69 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the Board's basic financial statements. The accompanying schedules on pages 72 to 73 and the introductory, investment, actuarial, and statistical sections as listed in the table of contents are presented for purposes of additional analysis and are not a required part of the basic financial statements.

The accompanying schedules on pages 72 to 73 are the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the accompanying schedules on pages 72 to 73 are fairly stated, in all material respects, in relation to the basic financial statements as a whole.

The introductory, investment, actuarial, and statistical sections have not been subjected to the auditing procedures applied in the audit of the basic financial statements, and, accordingly, we do not express an opinion or provide any assurance on them.

Charleston, West Virginia
March 30, 2016

**MANAGEMENT'S DISCUSSION AND ANALYSIS
(Unaudited)**

The Management of the West Virginia Consolidated Public Retirement Board (WV CPRB) provides this discussion and analysis as an overview of the WV CPRB's financial activities for the fiscal years ended June 30, 2015 and June 30, 2014. This section should be read in conjunction with the Independent Auditor's Report, the audited financial statements, and the accompanying notes to the financial statements.

FINANCIAL HIGHLIGHTS

- The net position restricted for pensions (total assets minus total liabilities) of the WV CPRB at June 30, 2015 was \$14.22 billion, increasing over \$267 million (1.9%) from the plan net position restricted for pensions at June 30, 2014. The net position restricted for pensions of the Board at June 30, 2014 was \$13.95 billion, increasing over \$1.9 billion (15.88%) from the net position restricted for pensions at June 30, 2013. The net position restricted for pensions is held in trust to meet future benefit obligations.
- Contribution revenue for fiscal year 2015 totaled \$903.41 million, a decrease of 2.8% compared to fiscal year 2014. Contribution revenue for fiscal year 2014 totaled \$929.74 million, an increase of 4.8% compared to fiscal year 2013. These fluctuations were primarily due to changes in the employer contribution rate for the Public Employees Retirement System.
- Net investment income for fiscal years 2015 and 2014 was \$534 million and \$2.084 billion resulting in investment returns of approximately 4% and 18%, respectively.
- Total benefits, refunds, and forfeitures paid for fiscal year 2015 were \$1.164 billion, an increase of 5.85% over fiscal year 2014 total benefits, refunds, and forfeitures paid of \$1.098 billion, which was an increase of 7.45% over fiscal year 2013.
- Total administrative expenses for fiscal year 2015 were \$10.5 million, a 1.7% increase from fiscal year 2014 administrative expenses of \$10.3 million, which was an increase of 4.2% from 2013.

OVERVIEW OF THE FINANCIAL STATEMENTS

The WV CPRB financial statements consist of the *Statements of Fiduciary Net Position*, the *Statements of Changes in Fiduciary Net Position*, and the *Notes to the Financial Statements*. In addition, *Required Supplementary Information* is presented, which includes this *Management's Discussion and Analysis*.

The *Statement of Fiduciary Net Position* and the *Statement of Changes in Fiduciary Net Position* report information about the fiduciary net position as of the end of the fiscal year and the changes in fiduciary net position during the fiscal year. These statements include all assets and liabilities using the accrual basis of accounting. Under the accrual basis of accounting, the current year's additions and deductions are included in the financial activity, regardless of when cash is received or paid. The difference between the total assets and total liabilities on the *Statements of Fiduciary Net Position*, or net position restricted for pensions, provides a measurement of the financial position of the WV CPRB as of the end of the fiscal year. The *Statements of Changes in Fiduciary Net Position* provide information on the activities that caused the financial position to change during the fiscal year. Over time, increases or decreases in the net position restricted for pensions of the WV CPRB are one indicator of the whether the systems' financial health is improving or deteriorating.

In addition to the two basic financial statements, the reader should also review the Required Supplementary Information, which includes the *Schedules of Net Pension Liability and Changes in Net Pension Liability*, *Schedules of Contributions*, and *Schedules of Investment Returns* to gain an understanding of the funded status of the WV CPRB over time. These schedules provide an indication of the WV CPRB's ability to meet both the current and future benefit payment obligations. The *Notes to the Financial Statements* are also essential to the reader's understanding of the financial statements and provide additional information regarding the WV CPRB, such as descriptions of the plans administered by the WV CPRB, including contribution and benefit provisions, and information about the accounting policies and investment activities.

MANAGEMENT'S DISCUSSION AND ANALYSIS
(Unaudited)

ANALYSIS OF ASSETS, LIABILITIES AND NET POSITION RESTRICTED FOR PENSIONS

At June 30, 2015, the WV CPRB had net position restricted for pensions of \$14.22 billion, an increase of over \$267 million (1.9%) from \$13.95 billion at June 30, 2014. This followed the fiscal year 2014 increase of \$1.9 billion (15.88%) from the \$12.04 billion of net position restricted for pensions as of June 30, 2013. The assets of the WV CPRB consist primarily of investments. The increase in net position restricted for pensions is primarily the result of investment returns in equity markets. Condensed financial information comparing the WV CPRB plan assets for the past three fiscal years follows.

FIDUCIARY NET POSITION (in thousands)

	June 30, 2015	June 30, 2014	FY15-14		FY14-13	
			Percentage Change	June 30, 2013	Percentage Change	June 30, 2013
ASSETS						
Cash	\$ 27,254	\$ 6,496	319.55 %	\$ 14,351	-54.74 %	
Investments at fair value	14,051,639	13,788,090	1.91 %	11,848,184	16.37 %	
Contributions receivable	33,433	32,189	3.86 %	36,711	-12.32 %	
Participant loans receivable	3,648	4,525	-19.38 %	5,805	-22.05 %	
Miscellaneous revenue receivable	1,498	179	736.87 %	217	-17.51 %	
Due from State of West Virginia	105,000	125,000	-16.00 %	145,000	-13.79 %	
	<u>14,222,472</u>	<u>13,956,479</u>	<u>1.91 %</u>	<u>12,050,268</u>	<u>15.82 %</u>	
LIABILITIES						
Accrued expenses and other payables	<u>6,435</u>	<u>8,158</u>	<u>-21.12 %</u>	<u>12,915</u>	<u>-36.83 %</u>	
Net position restricted for pensions	<u>\$ 14,216,037</u>	<u>\$ 13,948,321</u>	<u>1.92 %</u>	<u>\$ 12,037,353</u>	<u>15.88 %</u>	

ANALYSIS OF ADDITIONS AND DEDUCTIONS TO NET POSITION RESTRICTED FOR PENSIONS

Contributions to WV CPRB decreased \$26.3 million (-2.83%) compared to fiscal year 2014. With the decrease in investment income of \$1.55 billion (-74.39%) for fiscal year 2015 compared to investment income for fiscal year 2014, the overall decrease in revenues for 2015 was (52.23%) compared to revenues for fiscal year 2014.

Contributions to the WV CPRB for fiscal year 2014 increased by \$42.5 million (4.79%) over contributions for fiscal year 2013. With the increase of net investment income of \$719 million for fiscal year 2014, the overall increase in revenues for 2014 was \$761 million.

Total benefits, refunds, and forfeitures paid during the year ended June 30, 2015 were \$1.164 billion, an increase of 5.85% over fiscal year 2014 total benefits, refunds, and forfeitures paid. Total benefits and refunds paid during the year ended June 30, 2014 were \$1.098 billion, an increase of 7.45% over fiscal year 2013. The increase in benefit expenses for each year is attributed to more retirees receiving benefits during the fiscal years. Total refunds paid increased \$2.68 million (0.81%) in fiscal year 2015 from fiscal year 2014. Total refunds paid had increased \$2.7 million (8.05%) in fiscal year 2014 over fiscal year 2013.

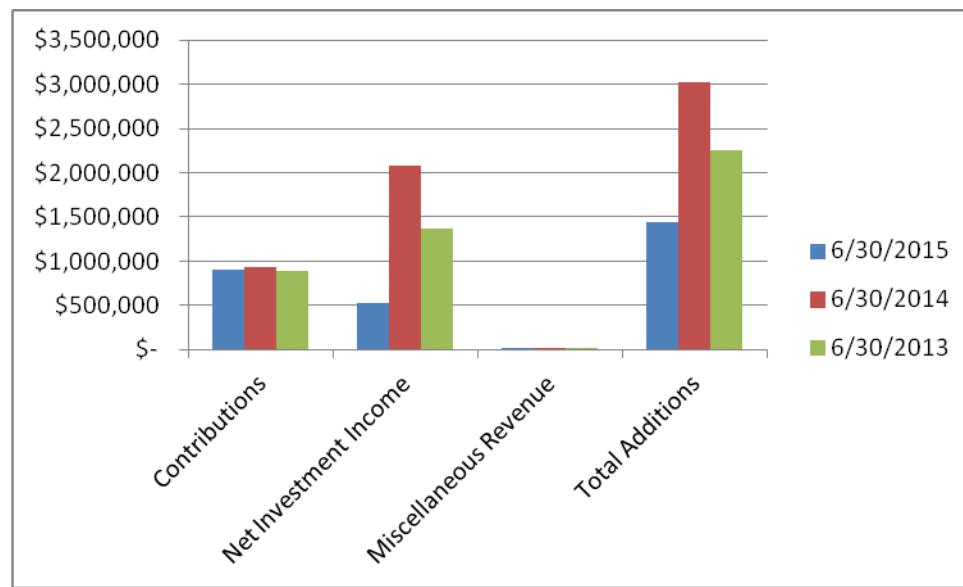
Administrative expenses for the year ended June 30, 2015 were \$10.5 million, an increase of 1.7% from fiscal year 2014 administrative expenses. The increase was primarily due to budgetary increases deemed necessary for several expense areas. Administrative expenses for the year ended June 30, 2014 were \$10.3 million, an increase of 4.2% over fiscal year 2013 administrative expenses.

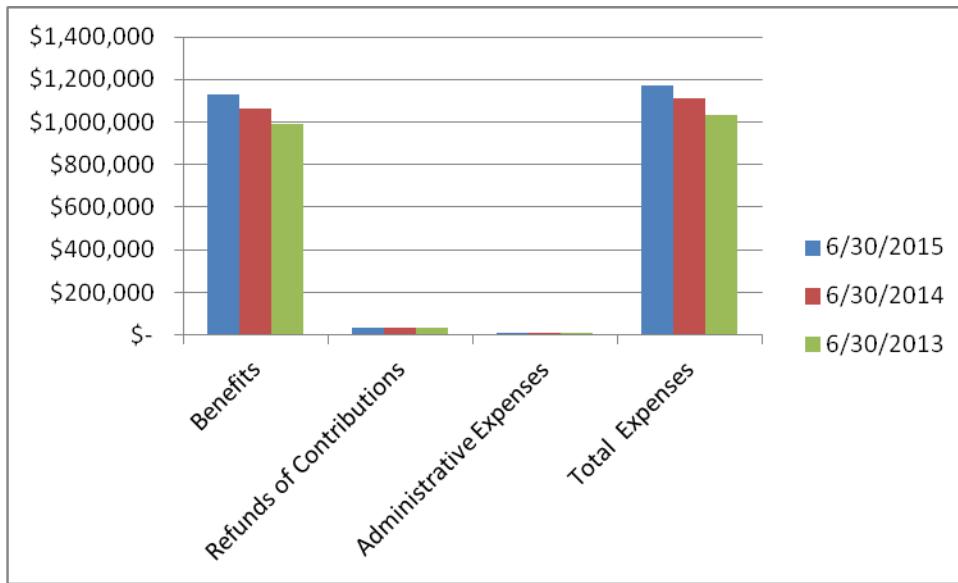
MANAGEMENT'S DISCUSSION AND ANALYSIS
(Unaudited)

CHANGES IN FIDUCIARY NET POSITION (in thousands)

	2015	2014	FY15-14 Percentage Change	2013	FY14-13 Percentage Change
Additions:					
Contributions:					
Member contributions	\$ 174,059	\$ 169,056	2.96 %	\$ 170,239	-0.69 %
Employer contributions	<u>729,350</u>	<u>760,681</u>	-4.12 %	<u>716,975</u>	6.1 %
Total contributions	<u>903,409</u>	<u>929,737</u>	2.83 %	<u>887,214</u>	4.79 %
Investment income:					
Net increase in fair value of investments	452,153	2,018,802	-77.60 %	1,284,292	57.19 %
Investment income	<u>81,801</u>	<u>65,831</u>	24.26 %	<u>81,116</u>	18.84 %
Net investment income	<u>533,954</u>	<u>2,084,633</u>	-74.39 %	<u>1,365,408</u>	52.67 %
Other income	<u>5,198</u>	<u>5,379</u>	-3.36 %	<u>5,618</u>	-4.25 %
Total additions	<u>1,442,561</u>	<u>3,019,749</u>	-52.23 %	<u>2,258,240</u>	33.72 %
Deductions and transfers:					
Benefit expense	1,128,067	1,062,473	6.17 %	989,067	7.42 %
Refunds of contributions/withdrawals	36,252	35,960	0.81 %	33,282	8.05 %
Administrative expense	<u>10,526</u>	<u>10,348</u>	1.72 %	<u>9,931</u>	4.20 %
Total deductions and transfers	<u>1,174,845</u>	<u>1,108,781</u>	5.96 %	<u>1,032,280</u>	7.41 %
Net increase in net position	267,716	1,910,968	-85.99 %	1,225,960	55.88 %
Net position restricted for pensions:					
Beginning of year	<u>13,948,321</u>	<u>12,037,353</u>	15.88 %	<u>10,811,393</u>	11.34 %
End of year	<u>\$ 14,216,037</u>	<u>\$ 13,948,321</u>	1.92 %	<u>\$ 12,037,353</u>	15.88 %

ADDITIONS BY TYPE (in thousands)



**MANAGEMENT'S DISCUSSION AND ANALYSIS
(Unaudited)****DEDUCTIONS BY TYPE (in thousands)****ECONOMIC FACTORS, FUTURE FUNDING PROVISIONS, OVERALL OUTLOOK**

The defined benefit plans are funded with the expectation that they will return 7.5 percent on the invested assets. When that return is not achieved, there is an increase in the net pension liability. The turmoil in the capital markets in fiscal year 2009 and the subsequent negative return for invested assets increased the net pension liability causing an increase in employer contributions in previous years. Positive investment returns in excess of the target rate during fiscal 2013 and 2014 along with conservative funding policies continue to reduce the net pension liability.

The investment return for fiscal 2015 did not meet our 7.5 percent target rate. The return in fiscal year 2015 was 4% and follows a year where the target rate of 7.5 percent was exceeded in 2014. In aggregate, the three and five years ending June 30, 2015 have produced annualized rates of return in excess of the 7.5 percent long term expectation. Still, it will likely take the world's economies many years to recover from the credit crisis of 2008, creating significant challenges in achieving investment performance goals. The 10 year annualized rate of return is just beneath our target of 7.5% and is at 7.1%.

CONTACTING THE WV CPRB

This report is designed to provide a financial overview of the WV CPRB to state legislators, members of the Board of Trustees of the WV CPRB, state officials, participating employers and any other interested parties. Questions or requests for additional information regarding the financial information presented in this report may be addressed in writing to the West Virginia Consolidated Public Retirement Board, 4101 MacCorkle Avenue, S.E., Charleston WV 25304

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
STATEMENTS OF FIDUCIARY NET POSITION - PENSION FUNDS
(In Thousands)

June 30, 2015

	Public Employees' Retirement System	Teachers' Retirement System	State Police Death, Disability and Retirement System	State Police Retirement System	Deputy Sheriff Retirement System	Judges' Retirement System	Emergency Medical Services Retirement System	Municipal Police Officers & Firefighters Retirement System	Teachers' Defined Contribution Retirement System	Total
ASSETS										
Cash	\$ 652	\$ 20,899	\$ 2	\$ -	\$ 82	\$ -	\$ 12	\$ 4	\$ 5,603	\$ 27,254
Investments at fair value:										
Mutual funds	-	-	-	-	-	-	-	-	417,465	417,465
Large cap equity	1,259,338	1,452,924	129,216	28,066	37,166	37,255	12,293	413	-	2,956,671
Non-large cap equity	297,243	346,188	30,875	6,741	8,826	8,868	2,916	98	-	701,755
International qualified	557,358	644,694	58,014	12,278	16,048	16,265	5,289	167	-	1,310,113
International equity	997,735	1,173,026	101,871	23,394	30,629	29,984	10,115	312	-	2,367,066
Private equity	565,518	654,960	59,689	13,387	17,353	17,500	5,905	195	-	1,334,507
Real estate	598,464	705,093	61,147	13,449	17,551	17,869	5,830	191	-	1,419,594
Total return fixed income	579,040	659,042	58,776	13,476	17,112	16,917	5,609	190	-	1,350,162
Core fixed income	248,963	286,618	25,425	5,815	7,403	7,496	2,436	84	-	584,240
Hedge fund	613,874	712,844	60,844	13,339	17,468	17,543	5,637	186	-	1,441,735
TRS annuity	-	(96)	-	-	-	-	-	-	-	(96)
Short term fixed income	24,855	117,825	21,482	2,009	625	1,006	517	108	-	168,427
Total investments at fair value	<u>5,742,388</u>	<u>6,753,118</u>	<u>607,339</u>	<u>131,954</u>	<u>170,181</u>	<u>170,703</u>	<u>56,547</u>	<u>1,944</u>	<u>417,465</u>	<u>14,051,639</u>
Contributions receivable	5,786	25,197	-	-	681	-	380	98	1,291	33,433
Participant loans receivable	-	3,264	-	-	384	-	-	-	-	3,648
Miscellaneous revenue receivable	4	1,232	-	163	54	-	-	-	45	1,498
Due from State of West Virginia	<u>105,000</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>105,000</u>
Total assets	<u>5,853,830</u>	<u>6,803,710</u>	<u>607,341</u>	<u>132,117</u>	<u>171,382</u>	<u>170,703</u>	<u>56,939</u>	<u>2,046</u>	<u>424,404</u>	<u>14,222,472</u>
LIABILITIES AND PLAN NET POSITION										
Liabilities:										
Accrued expenses and other payables	<u>274</u>	<u>368</u>	<u>183</u>	<u>-</u>	<u>23</u>	<u>-</u>	<u>2</u>	<u>-</u>	<u>5,585</u>	<u>6,435</u>
Net position restricted for pensions	<u>\$ 5,853,556</u>	<u>\$ 6,803,342</u>	<u>\$ 607,158</u>	<u>\$ 132,117</u>	<u>\$ 171,359</u>	<u>\$ 170,703</u>	<u>\$ 56,937</u>	<u>\$ 2,046</u>	<u>\$ 418,819</u>	<u>\$ 14,216,037</u>

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

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
STATEMENTS OF FIDUCIARY NET POSITION - PENSION FUNDS
(In Thousands)

June 30, 2014

	Public Employees' Retirement System	Teachers' Retirement System	State Police Death, Disability and Retirement System	State Police Retirement System	Deputy Sheriff Retirement System	Judges' Retirement System	Emergency Medical Services Retirement System (As Restated)	Municipal Police Officers & Firefighters Retirement System	Teachers' Defined Contribution Retirement System	Total (As Restated)
ASSETS										
Cash	\$ 289	\$ 5	\$ 1	\$ -	\$ 20	\$ -	\$ -	\$ -	\$ 6,181	\$ 6,496
Investments at fair value:										
Mutual funds	-	-	-	-	-	-	-	-	400,030	400,030
Large cap equity	1,145,321	1,324,099	125,777	24,634	32,947	33,599	10,916	230	-	2,697,523
Non-large cap equity	400,856	463,970	42,199	8,466	11,449	11,772	3,755	76	-	942,543
International qualified	556,196	640,632	58,706	10,985	15,281	16,213	4,850	100	-	1,302,963
International equity	1,018,952	1,178,932	107,924	22,187	29,604	30,063	9,851	202	-	2,397,715
Private equity	549,804	637,022	54,936	11,232	15,527	16,136	5,393	112	-	1,290,162
Real estate	517,214	598,156	55,283	10,947	14,771	15,185	4,853	101	-	1,216,510
Total return fixed income	558,951	643,611	59,807	12,251	16,288	16,522	5,434	112	-	1,312,976
Core fixed income	241,787	275,801	25,575	5,278	7,009	7,120	2,336	49	-	564,955
Hedge fund	577,172	667,548	65,821	12,688	16,718	16,970	5,214	108	-	1,362,239
TRS annuity	-	(17)	-	-	-	-	-	-	-	(17)
Short term fixed income	14,398	168,607	542	1,011	496	218	345	52	-	185,669
TIPS	49,161	57,015	4,507	893	1,401	1,441	396	8	-	114,822
Total investments at fair value	5,629,812	6,655,376	601,077	120,572	161,491	165,239	53,343	1,150	400,030	13,788,090
Contributions receivable	6,276	23,063	-	-	744	-	306	52	1,748	32,189
Participant loans receivable	-	4,074	-	-	451	-	-	-	-	4,525
Miscellaneous revenue receivable	3	113	-	-	43	-	-	-	20	179
Due from State of West Virginia	125,000	-	-	-	-	-	-	-	-	125,000
Total assets	5,761,380	6,682,631	601,078	120,572	162,749	165,239	53,649	1,202	407,979	13,956,479
LIABILITIES AND PLAN NET POSITION										
Liabilities:										
Accrued expenses and other payables	271	538	1	-	3	-	1,222	-	6,123	8,158
Net position restricted for pensions	\$ 5,761,109	\$ 6,682,093	\$ 601,077	\$ 120,572	\$ 162,746	\$ 165,239	\$ 52,427	\$ 1,202	\$ 401,856	\$ 13,948,321

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

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD

STATEMENTS OF CHANGES IN FIDUCIARY NET POSITION - PENSION FUNDS
(In Thousands)

Year Ended June 30, 2015

	Public Employees' Retirement System	Teachers' Retirement System	State Police Death, Disability and Retirement System	State Police Retirement System	Deputy Sheriff Retirement System	Judges' Retirement System	Emergency Medical Service Retirement System	Municipal Police Officers & Firefighters Retirement System	Teachers' Defined Contribution Retirement System	Total
Additions:										
Contributions:										
Member contributions	\$ 61,838	\$ 94,694	\$ 445	\$ 3,609	\$ 4,068	\$ 413	\$ 2,071	\$ 417	\$ 6,504	\$ 174,059
Employer contributions	189,947	138,655	808	4,060	5,972	2,845	2,607	417	11,194	356,505
Other statutorily required contributions	-	299,681	-	-	-	-	-	-	-	299,681
Other contributions - appropriations	-	52,304	20,860	-	-	-	-	-	-	73,164
Total contributions	251,785	585,334	22,113	7,669	10,040	3,258	4,678	834	17,698	903,409
Investment income:										
Net increase (decrease) in fair value of investments	192,386	224,985	20,085	4,367	5,741	5,723	1,886	59	(3,079)	452,153
Investment income	26,943	31,003	2,781	605	793	802	258	7	18,609	81,801
Net investment income	219,329	255,988	22,866	4,972	6,534	6,525	2,144	66	15,530	533,954
Other income	17	3,460	861	-	506	-	-	-	354	5,198
Total additions	471,131	844,782	45,840	12,641	17,080	9,783	6,822	900	33,582	1,442,561
Deductions and transfers:										
Benefit expense	363,495	710,833	39,708	633	7,554	4,244	1,600	-	-	1,128,067
Forfeitures	-	-	-	-	-	-	-	-	2,584	2,584
Refunds of contributions/withdrawals	10,669	8,006	-	418	817	69	666	49	12,968	33,662
Transfers to (from) plans	(265)	262	-	-	-	-	-	-	3	-
Administrative expenses	4,785	4,432	48	44	95	6	45	7	1,064	10,526
Disability recertification fees	-	-	3	1	1	-	1	-	-	6
Total deductions and transfers	378,684	723,533	39,759	1,096	8,467	4,319	2,312	56	16,619	1,174,845
Net increase in plan net position	92,447	121,249	6,081	11,545	8,613	5,464	4,510	844	16,963	267,716
Net position restricted for pensions:										
Beginning of year	5,761,109	6,682,093	601,077	120,572	162,746	165,239	52,427	1,202	401,856	13,948,321
End of year	\$ 5,853,556	\$ 6,803,342	\$ 607,158	\$ 132,117	\$ 171,359	\$ 170,703	\$ 56,937	\$ 2,046	\$ 418,819	\$ 14,216,037

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

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD

STATEMENTS OF CHANGES IN FIDUCIARY NET POSITION - PENSION FUNDS
(In Thousands)

Year Ended June 30, 2014

	Public Employees' Retirement System	Teachers' Retirement System	State Police Death, Disability and Retirement System	State Police Retirement System	Deputy Sheriff Retirement System	Judges' Retirement System	Emergency Retirement System (As Restated)	Municipal Police Officers & Firefighters Retirement System	Teachers' Defined Retirement System (As Restated)	Total
Additions:										
Contributions:										
Member contributions	\$ 60,899	\$ 90,612	\$ 545	\$ 3,630	\$ 3,908	\$ 474	\$ 2,077	\$ 279	\$ 6,632	\$ 169,056
Employer contributions	194,728	141,840	1,072	4,049	5,977	2,456	2,442	279	10,284	363,127
Other statutorily required contributions	-	321,553	-	-	-	-	-	-	-	321,553
Other contributions - appropriations	-	50,855	25,146	-	-	-	-	-	-	76,001
Total contributions	255,627	604,860	26,763	7,679	9,885	2,930	4,519	558	16,916	929,737
Investment income:										
Net increase in fair value of investments	841,174	976,822	88,517	17,274	23,737	24,594	7,660	122	38,902	2,018,802
Investment income	22,849	26,358	2,355	482	701	669	214	3	12,200	65,831
Net investment income	864,023	1,003,180	90,872	17,756	24,438	25,263	7,874	125	51,102	2,084,633
Other income	50	3,775	739	-	556	-	1	-	258	5,379
Total additions	1,119,700	1,611,815	118,374	25,435	34,879	28,193	12,394	683	68,276	3,019,749
Deductions and transfers:										
Benefit expense	342,683	668,923	37,566	682	6,955	4,374	1,290	-	-	1,062,473
Forfeitures	-	-	-	-	-	-	-	-	3,919	3,919
Refunds of contributions/withdrawals	10,929	7,287	-	230	839	81	626	7	12,030	32,029
Transfers to (from) plans	(83)	265	-	-	(2)	(32)	(140)	-	(8)	-
Administrative expenses	4,695	4,348	49	42	91	7	41	3	1,072	10,348
Disability recertification fees	-	-	4	1	6	-	1	-	-	12
Total deductions and transfers	358,224	680,823	37,619	955	7,889	4,430	1,818	10	17,013	1,108,781
Net increase in plan net position	761,476	930,992	80,755	24,480	26,990	23,763	10,576	673	51,263	1,910,968
Net position restricted for pensions:										
Beginning of year, as restated	4,999,633	5,751,101	520,322	96,092	135,756	141,476	41,851	529	350,593	12,037,353
End of year	\$ 5,761,109	\$ 6,682,093	\$ 601,077	\$ 120,572	\$ 162,746	\$ 165,239	\$ 52,427	\$ 1,202	\$ 401,856	\$ 13,948,321

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

**WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS**

1 - DESCRIPTION OF ORGANIZATION

Reporting Entity

During fiscal year 1991, the West Virginia State Legislature created the Consolidated Public Retirement Board (the Board) to administer nine of the State of West Virginia's ten retirement plans. The nine retirement plans included within these financial statements are the Public Employees' Retirement System (PERS), the Teachers' Retirement System (TRS), the State Police Death, Disability and Retirement System (SPDDRS), the State Police Retirement System (SPRS), the Deputy Sheriff Retirement System (DSRS), the Judges' Retirement System (JRS), the Emergency Medical Services Retirement System (EMSRS), Municipal Police Officers and Firefighters Retirement System (MPFRS) and the Teachers' Defined Contribution Retirement System (TDCRS). The Total Pension Funds column included in the statements of fiduciary net position and statements of changes in fiduciary net position is for informational purposes only. The assets of each plan are only available to satisfy the obligations of that plan. The Board's retirement plans are reported as pension trust funds by the State of West Virginia (the State). The Governmental Employees Deferred Compensation Plan is administered by the West Virginia State Treasurer's Office and has been excluded from these financial statements in accordance with Governmental Accounting Standards Board (GASB) Statement No. 32, *Accounting and Financial Reporting for Internal Revenue Code Section 457 Deferred Compensation Plans*.

The Board is managed by a Board of Trustees, which consists of, by virtue of their position, the Governor, State Auditor, State Treasurer, and Secretary of the Department of Administration, together with the following gubernatorial appointments that are subject to the advice and consent of the State Senate: four residents of the State who are not participants in the retirement plans, one State and one non-State employee participant in PERS, and one participant each from TRS, SPDDRS, SPRS, DSRS, EMSRS, MPFRS and TDCRS.

Pursuant to the West Virginia Code, the Board submits a detailed budgetary schedule of administrative expenses to the Secretary of the Department of Administration prior to the beginning of each fiscal year. The fundamental purpose of budgetary control is to plan for the expected level of operations and to provide management with a tool to control deviation from such plan but does not constitute a legally adopted budget.

Basis of Accounting

The financial statements of the Board have been prepared in conformity with accounting principles generally accepted in the United States of America (GAAP) as applied to governmental units. The GASB is the accepted standard setting body for establishing governmental accounting and financial reporting principles for governmental units. The accompanying pension fund financial statements have been prepared using the flow of economic resources measurement focus and the accrual basis of accounting. Plan member contributions are recognized in the period when contributions are due. Employer contributions to the plan are recognized when due and the employer has made a formal commitment to provide contributions. Benefits and refunds are recognized when due and payable in accordance with the terms of each plan. The Board's assets are held primarily in accounts maintained by the State Treasurer, the West Virginia Investment Management Board (the IMB), and the third-party administrator of its defined contribution plan.

Cash

The State Treasurer has statutory responsibility for the daily cash management activities of the state's agencies, departments, boards and commissions. The amounts on deposit with the State Treasurer are available for immediate withdrawal and, accordingly, are presented as cash and cash equivalents in the accompanying financial statements.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

1 - DESCRIPTION OF ORGANIZATION (Continued)

Investments

All defined benefit plan funds not required to meet disbursement needs are invested in accordance with the West Virginia Code, as well as policies established by the IMB. The IMB has established various investment pools to provide for the investment of the defined benefit plans' assets. These investment pools are structured as multiparticipant variable net asset funds.

Investments of the IMB Short-Term Fixed Income Pool are carried at amortized cost, which approximates fair value. The investments in the other IMB pools, except as noted below, are carried at fair value, which is determined by a third party pricing service based on asset portfolio pricing models and other sources. The IMB invests in private equity, real estate, and hedge funds, which are not publicly traded, and are carried at estimated fair value as provided by the IMB funds' management. The IMB may, in addition, consider other factors in assessing the fair value of these investments. Because these investments are not marketable, the estimated value is subject to uncertainty, and therefore, may differ from the value that would have been used had a ready market for the investment existed. Futures and option contracts are valued at the last settlement price established each day by the exchange on which they are traded. Interest rate swap values are based on market values received from third parties or are determined by valuation models. Foreign currency forward contracts are valued at either spot or forward month-end exchange rates. Investments in commingled investment pools are valued at the reported unit values of the individual funds as provided to the IMB fund's management.

The TDCRS investments are held by an investment company which also serves as the third party administrator for the plan. As prescribed by West Virginia Code, the TDCRS investments are allocated to participant accounts and the participants direct the investment of their individual account balances by selecting from a list of plan mutual funds or a long term fixed investment option.

The TDCRS investments are carried at fair value as determined by a third-party pricing service utilized by an investment management company. Investment income for the TDCRS is determined monthly and distributed to the individual participant accounts.

Contributions Receivable

Contributions receivable represent funds owed to the Board from other government employer entities participating in the various retirement plans.

Participant Loans Receivable

The TRS makes loans to its members, hired prior to July 1, 2005, up to the lesser of one-half of a member's accumulated contributions or \$8,000, at an interest rate indexed to the interest rate used by the Board for determining actuarial contribution levels. TRS loans require repayment over varying terms, with a maximum term of five years.

During the 2008 First Special Session, the West Virginia Legislature passed House Bill 101 regarding retirement benefits for teachers and educational service personnel which became effective March 16, 2008. The legislation provided an opportunity for members of the Teachers' Defined Contribution Retirement System (TDCRS) to elect to transfer to the West Virginia Teachers' Retirement System (TRS). The transfer occurred on July 1, 2008 and a total of 15,152 TDCRS members transferred to TRS. These members were granted 75% service created under TRS for their years of service in TDCRS. These members were also granted a one time opportunity to receive a loan in order to purchase the additional 25% service credit at a 7.5% interest rate and with a maximum term of five years. The last day to receive such a loan was June 30, 2010.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

1 - DESCRIPTION OF ORGANIZATION (Continued)

Participant Loans Receivable (Continued)

The DSRS also makes loans to its members, hired prior to July 1, 2005, up to the lesser of one-half of a member's accumulated contributions or \$8,000, at an interest rate indexed to the interest rate used by the Board for determining actuarial contribution levels. DSRS loans require repayment over varying terms, with a maximum term of five years.

Accrued Expenses and Other Payables

Accrued expenses and other payables primarily represent retirement annuity amounts due to new retirees.

Investment Related Expenses

Investments are invested in multiparticipant pools and investment related expenses are not readily separable by participant in each pool. Investment income from the pools is reported net of investment expenses.

Accounting Estimates

The preparation of financial statements in accordance with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, and disclosure of actuarial accrued liabilities, contingent assets, and contingent liabilities as of the financial statement date, and the reported amounts of additions and deductions for the reporting period. Actual amounts could differ from those estimates.

The various retirement plans utilize various investment instruments. Investment securities, in general, are exposed to various risks, such as interest rate, credit, and overall market volatility. Due to the level of risk associated with certain investment securities, it is reasonably possible that changes in the value of investment securities will occur in the near term and that such change could materially affect the amounts reported in the statements of fiduciary net position. Changes in the value of investment securities could affect the future funding status of the plans or require additional contributions to maintain the current funding status.

2 - RESTATEMENT OF EMSRS

In August 2012, the Board determined that a participating employer did not meet the eligibility requirement to participate in the EMSRS retirement plan. After completing various compliance requirements, in July 2014 the EMSRS transferred contributions, along with statutorily determined interest earnings, to another plan established by the ineligible employer. To reflect the liability to transfer the funds of the ineligible employer effective August 2012, the Board has restated EMSRS beginning equity as of July 1, 2013, in the amount of \$1,052,000 and recorded accrued refunds of \$1,219,000 at June 30, 2014, which included accruals of refunds of \$167,000 during the year ended June 30, 2014.

**WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)**

3 - PLAN DESCRIPTIONS AND CONTRIBUTION INFORMATION

Membership in the plans consisted of the following as of July 1, 2015 and 2014:

	<u>PERS</u>	<u>TRS</u>	<u>SPDDRS</u>	<u>SPRS</u>	<u>DSRS</u>	<u>JRS</u>	<u>EMSRS</u>	<u>MPFRS</u>
As of July 1, 2015:								
Retirees and beneficiaries currently receiving benefits	25,679	34,738	746	21	339	55	71	-
Terminated members entitled to benefits but not yet receiving them	4,169	1,707	3	10	95	1	49	-
Terminated nonvested members	15,473	2,891	1	121	200	1	134	41
Active members	<u>36,122</u>	<u>35,788</u>	<u>52</u>	<u>625</u>	<u>1,024</u>	<u>44</u>	<u>568</u>	<u>140</u>
Total	<u><u>81,443</u></u>	<u><u>75,124</u></u>	<u><u>802</u></u>	<u><u>777</u></u>	<u><u>1,658</u></u>	<u><u>101</u></u>	<u><u>822</u></u>	<u><u>181</u></u>
As of July 1, 2014:								
Retirees and beneficiaries currently receiving benefits	24,931	34,000	725	19	317	53	56	-
Terminated members entitled to benefits but not yet receiving them	4,001	1,643	3	10	90	-	40	-
Terminated nonvested members	14,402	2,506	1	111	178	3	111	22
Active members	<u>36,413</u>	<u>35,724</u>	<u>74</u>	<u>597</u>	<u>1,002</u>	<u>73</u>	<u>546</u>	<u>97</u>
Total	<u><u>79,747</u></u>	<u><u>73,873</u></u>	<u><u>803</u></u>	<u><u>737</u></u>	<u><u>1,587</u></u>	<u><u>129</u></u>	<u><u>753</u></u>	<u><u>119</u></u>

Funding policies for all plans have been established by and are changed from time-to-time by action of the State Legislature. While contribution rates are legislatively determined, actuarial valuations are performed to assist the Board and the State Legislature in determining contribution rates. The following information is provided for general information purposes only. Plan participants should refer to the respective West Virginia State Code Section for more complete information.

Defined Benefit Plans

Public Employees' Retirement System

Plan Description - PERS is a multiple employer defined benefit cost sharing public employee retirement system covering substantially all employees of the State and its component units, as well as employees of participating non-State governmental entities who are not participants of another state or municipal retirement system. The numbers of participating employers as of June 30, 2015 are as follows:

West Virginia state agencies	152
Cities and towns	105
Counties	55
Special districts	<u>395</u>
	<u><u>707</u></u>

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

3 - PLAN DESCRIPTIONS AND CONTRIBUTION INFORMATION (Continued)

Defined Benefit Plans (Continued)

Public Employees' Retirement System (Continued)

PERS provides retirement benefits as well as death and disability benefits. Qualification for normal retirement is age 60 with five years of service or at least age 55 with age and service equal to 80 or greater. For all employees hired after July 1, 2015, qualification for normal retirement is age 62 with 10 years of service or at least age 55 with age and service equal to 80 or greater. The straight-life annuity retirement benefit is equivalent to 2% of average salary multiplied by years of service. Average salary is the average of the three consecutive highest annual earnings out of the last fifteen years of earnings. For all employees hired after July 1, 2015, average salary is the average of the five consecutive highest annual earnings out of the last fifteen years of earnings. Terminated members with at least five years of contributory service who do not withdraw their accumulated contributions may elect to receive their retirement annuity beginning at age 62. For all employees hired after July 1, 2015, this age increases to 64.

Chapter 5, Article 10 of the West Virginia State Code assigns the authority to establish and amend the provisions of the plan to the State Legislature. In certain circumstances, this Article also permits members of TRS to transfer accumulated service credit and member contributions into PERS.

Contributions - Per Chapter 5, Article 10, members contribute 4.5% of annual earnings. All members hired after July 1, 2015, will contribute 6% of annual earnings. State and non-state governmental employers' contribution rates were 14.0% and 14.5% of covered employees' annual earnings for fiscal years ending June 30, 2015 and 2014, respectively. Effective July 1, 2015 employer contribution rates decreased to 13.5% of members annual earnings. Contributions as a percentage of payroll for members are established by statutes, subject to legislative limitations and are not actuarially determined. Contributions as a percentage of payroll for employers are established by the Board. Employer contributions from State and non-State agencies for the fiscal years ended June 30, 2015 and 2014, were (in thousands):

	<u>2015</u>	<u>2014</u>
State	\$ 128,126	\$ 131,905
Non-State	<u>61,821</u>	<u>62,823</u>
	<u>\$ 189,947</u>	<u>\$ 194,728</u>

Teachers' Retirement System

Plan Description - TRS is a multiple employer defined benefit cost sharing public employee retirement system covering all full-time employees of the 55 county public school systems in the State and certain personnel of the 13 State-supported institutions of higher education, State Department of Education and the Higher Education Policy Commission hired prior to July 1, 1991. Employees of the State-supported institutions of higher education and the Higher Education Policy Commission hired after June 30, 1991, are required to participate in the Higher Education Retirement System. TRS closed membership to new hires effective July 1, 1991. However, effective July 1, 2005, all new employees hired for the first time are required to participate in TRS. There were 86 employers and one non-employer contributing entity participating in TRS as of June 30, 2015.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

3 - PLAN DESCRIPTIONS AND CONTRIBUTION INFORMATION (Continued)

Defined Benefit Plans (Continued)

Teachers' Retirement System (Continued)

During the 2008 First Special Session, the West Virginia Legislature passed House Bill 101 regarding retirement benefits for teachers and educational service personnel which became effective March 16, 2008. The legislation provided an opportunity for members of the Teachers' Defined Contribution Retirement System (TDCRS) to elect to transfer to the West Virginia Teachers' Retirement System (TRS). The transfer occurred on July 1, 2008 and a total of 15,152 TDCRS members transferred to TRS.

TRS provides retirement benefits as well as death and disability benefits. A member is eligible for normal retirement at age 60 with five years of service, age 55 with 30 years of service or any age with 35 years of service. For all employees hired after July 1, 2015, qualification for normal retirement is age 62 with 10 years of service or age 55 with 30 years of service. A member may retire with 30 years of credited service at any age with the pension reduced actuarially if the member retires before age 55. All members hired after July 1, 2015 may retire with the pension reduced actuarially if the member is between ages 60 and 62 with 10 years of service or between ages 55 and 62 with 30 years of service. Terminated members with at least five, but less than 20, years of credited service who do not withdraw their accumulated contributions are entitled to a deferred retirement commencing at age 62. For all employees hired after July 1, 2015, this age increases to 64. Retirement benefits are equivalent to 2% of average annual salary multiplied by years of service. Average salary is the average of the 5 highest fiscal years of earnings during the last 15 fiscal years of earnings.

Chapter 18, Article 7A of the West Virginia State Code assigns the authority to establish and amend the provisions of the plan to the State Legislature.

Contributions - A member who withdraws from service for any cause other than death or retirement may request that the accumulated employee contributions plus interest be refunded.

TRS funding policy provides for member contributions based on 6% of members' gross salary. Contributions as a percentage of payroll for members and employers are established by State law and are not actuarially determined. Employers make the following contributions:

The State, county boards of education, and other employers contribute 15% of gross salary of their TRS members hired prior to July 1, 1991. The State, county boards of education, and other employers contribute 7.5% of the gross salary of their TRS covered employees hired for the first time after July 1, 2005 and for those TDCRS members who selected to transfer to TRS effective July 1, 2008. The other employers and county boards of education, utilizing funds made available through the State's School Aid Formula (SAF) contribute 7.5% of the gross salary of their TDCRS covered employees. In addition, the State contributes a certain percentage of fire insurance premiums paid by State residents to assist in extinguishing the TRS unfunded liability within 40 years of June 30, 1994. Other statutorily required contributions of \$299,680,968 and \$321,552,626 were made through the State's school aid formula during the years ended June 30, 2015 and 2014, respectively. Certain additional contributions of approximately \$52,304,000 and \$50,855,000 were made during the years ended June 30, 2015 and 2014, respectively, representing extra appropriations to reduce the unfunded liability.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

3 - PLAN DESCRIPTIONS AND CONTRIBUTION INFORMATION (Continued)

Defined Benefit Plans (Continued)

State Police Death, Disability and Retirement System

Plan Description - SPDDRS is a single employer defined benefit public employee retirement system covering all West Virginia State Police (State Police) hired on or before March 11, 1994. This plan is closed to new entrants.

SPDDRS provides retirement benefits as well as death and disability benefits. A member is eligible for normal retirement at age 50 after 20 years of contributory service, or at any age upon completion of 25 years of service. There is no vesting in the State's contributions prior to ten years of service. Benefits payable to members retiring prior to age 50 are deferred until the normal retirement date. The annual retirement benefit is 5.5% of the members' aggregate salary, but not less than \$6,000 per year. Total service related disability benefits are equal to the member's annual salary, but not less than \$15,000 per year. Aggregate salary is the total salary paid to a member during his or her period of service, which may include up to 5 years of active military service credited at the average departmental salary. Aggregate salary for purposes of determining disability benefits may include salary that would have been earned had the participant served at least 25 years notwithstanding the disability. An annual cost-of-living adjustment of 3.75% is granted to retirees and beneficiaries. For service-connected total disability retirees, the adjustment begins at age 65. A member who terminates employment is entitled to a refund of his or her contributions plus interest.

Contributions - SPDDRS funding policy provides for member contributions based on 9% of their annual earnings. The State makes contributions based on 15% of the annual payroll of State Police, as well as contributing all revenue generated by the sale of traffic accident reports, criminal investigation reports and other fees. In addition, certain additional contributions of approximately \$20,860,000 and \$25,146,000 were made during the years ended June 30, 2015 and 2014, respectively, representing extra appropriations to reduce the unfunded liability. Contributions, as a percentage of payroll for members and the employer, are established by State law and are not actuarially determined.

State Police Retirement System

Plan Description - SPRS is a single employer defined benefit public employee retirement system that was established for all State Police hired on or after March 12, 1994. SPRS provides retirement, death, and disability benefits. A member is eligible for normal retirement at age 50 with 25 years of service or age 52 with 20 years of credited service. A member is eligible for a reduced benefit with 20 years of credited service and retiring before age 52. The annual regular retirement benefit, paid monthly, is equal to 2.75% of the final average salary multiplied by the years of service. Final average salary is the average of the five highest calendar years of earnings during the last ten years of earnings. Annual retirement annuity adjustments are 1.0% for regular retirement and are payable on July 1 of each year after the member reaches 63 years of age.

Contributions - Members contribute 12% of annual base salary. Employer contribution rates were 13.5% and 14.5% of covered employees' annual base salary for fiscal years ending June 30, 2015 and 2014, respectively. Effective July 1, 2015 employer contribution rates will be reduced to 12% of members' annual earnings.

Chapter 15, Article 2 and Article 2A of the West Virginia State Code assigns the authority to establish and amend the provisions of the SPDDRS and SPRS plans to the State Legislature.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

3 - PLAN DESCRIPTIONS AND CONTRIBUTION INFORMATION (Continued)

Defined Benefit Plans (Continued)

Deputy Sheriff Retirement System

Plan Description - DSRS, a multiple employer defined benefit cost sharing public employee retirement system, was established for all deputy sheriffs hired by all 55 county governments on or after July 1, 1998. The DSRS was also made available to any deputy sheriff employed in covered employment participating in PERS on the effective date so long as he/she made notification in writing before January 31, 1999, to both the County Commission in the county in which he/she was employed and the Board of his/her desire to transfer to the DSRS. Approximately 600 deputy sheriffs elected such transfer and as a result, approximately \$28,638,000 of accumulated member and employer contributions and interest were transferred from PERS to DSRS in fiscal year 1999, in accordance with Chapter 7, Article 14D of the West Virginia State Code. There were 55 employers participating in DSRS as of June 30, 2015.

DSRS provides retirement as well as death and disability benefits. A member is eligible for normal retirement under the following circumstances:

1. Attainment of the age of 50 years and completion of 20 or more years of service
2. Member is in covered employment, has attained the age of 60 years, and has completed five or more years of service
3. Attainment of the age of 62 years and has completed five or more years of service

The annual regular retirement benefit is equal to 2.25% of a member's final average salary multiplied by the member's years of credited service. Final average salary refers to the average of the highest annual compensation received for covered employment by the member during any five consecutive plan years within the member's last ten years of service. A member may elect to receive retirement income payments equal to his/her accrued benefit in the normal form or in a variety of annuity options. The normal form signifies a monthly annuity which is 1/12 of the amount of a members accrued benefit which is payable for the member's life.

Benefit payments did not begin prior to January 1, 2000, except benefit payments resulting from disability.

Chapter 7, Article 14D of the West Virginia State Code assigns the authority to establish and amend the provisions of the plan to the State Legislature.

Contributions - Members contribute 8.5% of monthly base salary, and the Sheriff's Office/County Commission of the County in which the member is employed contributed an additional 12.5% and 13% of the member's monthly salary during years ended June 30, 2015 and 2014, respectively. Effective July 1, 2015 employer contribution rates were reduced to 12% of the member's monthly salary. In addition, the Sheriff's Office/County Commissions contribute certain fees charged for reports and other services provided by the sheriff's offices.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

3 - PLAN DESCRIPTIONS AND CONTRIBUTION INFORMATION (Continued)

Defined Benefit Plans (Continued)

Judges' Retirement System

Plan Description - JRS is a single employer defined benefit public employee retirement system covering State judges and justices who elect to participate. JRS provides retirement as well as death and disability benefits. A member who was appointed or elected to the bench prior to July 2, 2005 is eligible for normal retirement upon the attainment of 24 years of service of which at least 12 years is as a sitting judge or justice, 16 years of service at age 65 of which at least 12 years is as a sitting judge or justice, or 8 full years of service after age 65. A member who was appointed or elected to the bench on or after July 2, 2005 is eligible for normal retirement upon the attainment of 24 years of service of which at least 14 years is as a sitting judge or justice, or 16 years of service at age 65 of which 14 years is as a sitting judge or justice. A member on the bench prior to July 2, 2005 is eligible for a deferred benefit upon termination of service prior to normal retirement provided the member completes 16 years of service of which 12 years of service is as a sitting judge or justice. A member of the bench on or after July 2, 2005 is eligible for a deferred benefit upon termination of service prior to normal retirement provided the member completes 16 years of service of which 14 years of service are as a sitting judge or justice.

The annual benefit paid to judges and justices on the bench prior to July 2, 2005 is 75% of the current annual salary of the office from which the participant retires, with surviving spouse and dependent child benefits. This benefit is proportionally increased upon increase in salary for active sitting judges and justices.

The annual benefit paid to judges and justices on the bench on or after July 2, 2005 is 75% of the member's final average salary. Final average salary means the average of the highest thirty-six consecutive month's compensation received as a judge or justice. No increases in benefits are given by virtue of increase in salary of active sitting judges or justices.

Chapter 51, Article 9 of the West Virginia State Code assigns the authority to establish and amend the provisions of the plan to the State Legislature.

Contributions - JRS funding policy provides for member contributions based on 7% of their annual earnings. This policy also provides for periodic employer contributions at varying amounts appropriated annually by the State Legislature. However, annual appropriations are determined in consideration of the most recent actuarial valuation. Any participant who terminates before becoming eligible for benefits may elect to withdraw his or her contributions without interest.

Emergency Medical Services Retirement System (EMSRS)

Plan Description - EMSRS is a multiple employer defined benefit cost sharing retirement system. The EMSRS Act was passed by the Legislature in March 2007. The legislation provided for a voluntary participation election of eligible emergency medical service officers and mandated that certain participation levels be reached by December 31, 2007, in order for the provisions of the Emergency Medical Services Retirement System to become effective. At the close of the election period, fifteen licensed EMS public employers, consisting of twelve eligible Public Employees Retirement System (PERS) political subdivisions and three eligible Non-PERS political subdivisions, passed corporate resolutions to become participating public employers of this retirement system. Statewide, over five hundred eligible Emergency Medical Services Officers elected to opt into this new retirement plan. The WV Emergency Medical Services Retirement System (EMSRS) became effective January 1, 2008. There were 14 employers participating in EMSRS as of June 30, 2015.

**WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)**

3 - PLAN DESCRIPTIONS AND CONTRIBUTION INFORMATION (Continued)

Defined Benefit Plans (Continued)

Emergency Medical Services Retirement System (EMSRS) (Continued)

The statute prohibited any payout of benefits from the EMSRS fund prior to January 1, 2011, with the exception of duty disability retirement. An EMSRS member is eligible for "normal" retirement when one of the following occurs:

- Attainment of age 50 and the completion of 20 years of contributory service; or
- Attainment of age 50 when age plus contributory service equals 70 while still in covered employment; or
- Attainment of age 60 and completion of 10 years contributory service while still in covered employment; or
- Attainment of age 62 and completion of 5 years of contributory service.

An EMSRS member is eligible for "early retirement" when they reach age 45 and have completed 20 years of service.

Final Average Salary (FAS) is the average of the highest annual compensation received by the member during covered employment for any 5 consecutive plan years (Jan. 1- Dec. 31) within the last 10 years of service. The accrued benefit on behalf of any member is calculated as follows:

Final Average Salary x Years of Credited Service x Benefit Percentage

Annual Retirement Benefit Formula

2.75% x FAS x Years of Service for years 1-20
2.0% x FAS x Years of Service for years 21-25
1.0% x FAS x Years of Service for years 26-30

Chapter 16, Article 5V of the West Virginia State Code assigns the authority to establish and amend the provisions of the plan to the State Legislature.

Contributions - Currently, the EMSRS employee contribution rate is 8.5% of gross monthly salary and the employer contribution rate is 10.5% of gross monthly salary.

Municipal Police Officers and Firefighters Retirement System (MPFRS)

Plan Description - MPFRS is a multiple employer defined benefit cost sharing plan. The MPFRS Act was passed by the Legislature in November 2009, and became effective January 1, 2010. The legislation provided for any municipality or municipal subdivision employing municipal police officers or firefighters to elect to become a participating employer. MPFRS is a multiple employer defined benefit retirement system. The MPFRS had 140 participating members as of June 30, 2015. If there are fewer than 100 members on January 1, 2017, all members will be merged into the Emergency Medical Services Retirement System. All police officers and firefighters first employed in covered employment after the date the municipality or municipal subdivision elected to join MPFRS are required to be members of MPFRS. There were 13 employers participating in MPFRS as of June 30, 2015.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

3 - PLAN DESCRIPTIONS AND CONTRIBUTION INFORMATION (Continued)

Defined Benefit Plans (Continued)

Municipal Police Officers and Firefighters Retirement System (MPFRS) (Continued)

A MPFRS member is eligible for "normal" retirement when one of the following occurs:

- Attainment of age 50 and the completion of 20 years of contributory service; or
- Attainment of age 50 when age plus contributory service equals 70 while still in covered employment; or
- Attainment of age 60 and completion of 10 years contributory service while still in covered employment; or
- Attainment of age 62 and completion of 5 years of contributory service.

Final Average Salary (FAS) is the average of the highest annual compensation received by the member during covered employment for any 5 consecutive plan years (Jan. 1 - Dec. 31) within the last 10 years of service. The accrued benefit on behalf of any member is calculated as follows, not to exceed 67%:

Final Average Salary x Years of Credited Service x Benefit Percentage

Annual Retirement Benefit Formula

2.6% x FAS x Years of Credited Service for years 1-20
2.0% x FAS x Years of Credited Service for years 21-25
1.0% x FAS x Years if Credited Service for years 26-30

Chapter 8, Article 22A of the West Virginia State Code assigns the authority to establish and amend the provisions of the plan to the State Legislature.

Contributions - Currently, the MPFRS employee contribution rate is 8.5% of gross monthly salary and the employer contribution rate is 8.5% of gross monthly salary.

Teachers' Defined Contribution Retirement System

Plan Description - TDCRS is a multiple employer defined contribution retirement system, which is a money purchase pension plan covering primarily full-time employees of the State's 55 county public school systems, the State Department of Education, and the Schools for the Deaf and Blind who were hired between July 1, 1991 and June 30, 2005. TDCRS members also include former TRS plan members, including higher education employees, who have elected to transfer into or participate in TDCRS. TDCRS benefits depend solely on amounts contributed to the plan plus investment earnings. Employees are eligible to participate from the date of employment. TDCRS closed participation to new members effective June 30, 2005.

During the 2008 First Special Session, the West Virginia Legislature passed House Bill 101 regarding retirement benefits for teachers and educational service personnel which became effective March 16, 2008. The legislation provided an opportunity for members of the Teachers' Defined Contribution Retirement System (TDCRS) to elect to transfer to the West Virginia Teachers' Retirement System (TRS). The transfer occurred on July 1, 2008 and a total of 15,152 TDCRS members transferred to TRS.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

3 - PLAN DESCRIPTIONS AND CONTRIBUTION INFORMATION (Continued)

Teachers' Defined Contribution Retirement System (Continued)

The TDCRS provides members with a choice of 16 separate investment options made up of fixed income, balanced, large cap, mid cap, small cap, and international mutual funds, a money market fund and a fixed annuity.

Contributions - State law requires employees to contribute 4.5% of their gross compensation and the employers to contribute 7.5% of covered members' gross compensation. Employer contributions are comprised from amounts allocated to the employers through the State's School Aid Formula, forfeitures allotted from the TDCRS and county contributions. Employer contributions for each employee (and interest allocated to the employee's account) become partially vested after six years and fully vested after 12 complete years of service. If a terminated employee does not return to active participant status within five years, the nonvested employer contributions and earnings thereon are forfeited to reduce the employer's current period contribution requirement. Any such forfeitures arising from contributions, plus earnings thereon, will be used to reduce future employer contributions.

4 - ACTUARIAL INFORMATION - DEFINED BENEFIT PLANS

The total pension liabilities for financial reporting purposes were determined by actuarial valuations as of July 1, 2014 and 2013 and rolled forward to June 30, 2015 and 2014, respectively, using the actuarial assumptions and methods described in the *Actuarial Assumptions and Methods* section of this note.

Schedule of Net Pension Liability

The schedules of net pension liability and changes in net pension liability, presented as required supplemental information (RSI) following the notes to the financial statements, present trend information about whether the actuarial values of plan fiduciary net position are increasing or decreasing over time relative to the actuarial values of the total pension liability. Selected information for each plan as of June 30, 2015 and 2014 were as follows (in thousands):

	As of June 30, 2015:	Plan Fiduciary			
		Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability	Net Position as a Percentage of the Total Pension Liability
PERS	\$ 6,412,246	\$ 5,853,811	\$ 558,435		91.29%
TRS	10,268,744	6,803,089	3,465,655		66.25%
SPDDRS	711,515	607,339	104,176		85.36%
SPRS	128,611	131,678	(3,067)		102.38%
DSRS	191,870	171,358	20,512		89.31%
JRS	112,558	170,152	(57,594)		151.17%
EMSRS	60,071	56,938	3,133		94.78%
MPFRS	1,081	(2,046)	(965)		189.27%

**WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)**

4 - ACTUARIAL INFORMATION - DEFINED BENEFIT PLANS (Continued)

Schedule of Net Pension Liability (Continued)

As of June 30, 2014:	Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability	Plan Fiduciary Net Position as a Percentage of the Total Pension Liability
PERS	\$ 6,113,764	\$ 5,761,109	\$ 352,655	94.23%
TRS	10,115,959	6,682,093	3,433,866	66.05%
SPDDRS	694,897	601,077	93,820	86.50%
SPRS	114,386	120,572	(6,186)	105.41%
DSRS	179,680	162,748	16,932	90.58%
JRS	111,253	165,239	(53,986)	148.53%
EMSRS	56,363	53,647	2,716	95.18%
MPFRS	498	1,201	(703)	241.16%

Long-Term Expected Rates of Return

The long-term rates of return on pension plan investments were determined using the building block method in which estimates of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentages and by adding expected inflation. Best estimates of long-term geometric rates of return are summarized in the following table as of June 30, 2015 and were used for all defined benefit plans:

Asset Class	Target Allocation	Long-term Expected Rate of Return	Weighted Average Expected Real Rate of Return
US Equity	27.5%	7.0%	1.92%
International Equity	27.5%	7.7%	2.12%
Core Fixed Income	7.5%	2.7%	0.20%
High Yield Fixed Income	7.5%	5.5%	0.41%
Real Estate	10.0%	5.6%	0.56%
Private Equity	10.0%	9.4%	0.94%
Hedge Funds	10.0%	4.7%	0.47%
Cash	0.0%	1.5%	0.0%
Total	100.0%		6.62%
Inflation (CPI)			1.90%
			<u>8.52%</u>

Discount Rate

The discount rate used to measure the total pension liability was 7.5% for all defined benefit plans. The projections of cash flows used to determine the discount rates assumed that employer contributions will continue to follow the current funding policies. Based on those assumptions, the fiduciary net position of each defined benefit pension plan was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rates of return on pension plan investments were applied to all periods of projected benefit payments to determine the total pension liabilities of each plan.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

4 - ACTUARIAL INFORMATION - DEFINED BENEFIT PLANS (Continued)

Discount Rate (Continued)

Regarding the sensitivity of the net pension liability to changes in the discount rate, the following table presents the plans' net pension liabilities calculated using the current discount rate of 7.5% as well as the plans' net pension liabilities if they were calculated using a discount rate that is one percentage point lower or one percentage point higher as of June 30, 2015 and 2014, respectively (in thousands):

	<u>Total Net Pension Liability</u>		
	Current		
	1% Decrease (6.5%)	Discount Rate (7.5%)	1% Increase (8.5%)
As of June 30, 2015:			
PERS	\$ 1,287,855	\$ 558,435	\$ (57,816)
TRS	4,492,815	3,465,655	2,583,678
SPDDRS	198,586	104,176	27,204
SPRS	21,383	(3,067)	(22,603)
DSRS	46,929	20,512	(1,316)
JRS	(44,875)	(57,594)	(68,370)
EMSRS	12,254	3,133	(4,330)
MPFRS	(701)	(965)	(1,165)
 As of June 30, 2014:			
PERS	\$ 1,026,461	\$ 352,655	\$ (221,483)
TRS	4,458,218	3,433,866	2,554,425
SPDDRS	187,585	93,820	17,538
SPRS	16,129	(6,186)	(23,971)
DSRS	41,845	16,932	(3,639)
JRS	(41,203)	(53,986)	(64,800)
EMSRS	10,867	2,716	(4,433)
MPFRS	(581)	(703)	(797)

**WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)**

4 - ACTUARIAL INFORMATION - DEFINED BENEFIT PLANS (Continued)

Annual Money-Weighted Rates of Return

The following table provides the annual money-weighted rates of return, net of investment expenses, for the years ending June 30, 2015 and 2014, respectively, for each defined benefit pension plan:

	Annual Money Weighed Rate of Return	
	2015	2014
PERS	3.93%	17.94%
TRS	3.92%	17.85%
SPDDRS	3.92%	17.86%
SPRS	4.03%	17.92%
DSRS	3.97%	17.94%
JRS	3.97%	17.95%
EMS	4.04%	17.90%
MPFRS	4.37%	17.03%

Actuarial Assumptions and Methods

Significant assumptions used in the actuarial valuations are as follows:

	PERS	TRS	SPDDRS
Actuarial cost method	Individual entry age normal cost with level percentage of payroll	Individual entry age normal cost with level percentage of payroll	Individual entry age normal cost with level percentage of payroll
Asset valuation method	Fair value	Fair value	Fair value
Amortization method	Level dollar, fixed period	Level dollar, fixed period	Level dollar, fixed period
Amortization period	Through FY 2035	Through FY 2034	Through FY 2025
Actuarial assumptions:			
Investment rate of return	7.5%	7.5%	7.5%
Projected salary increases:			
PERS:			
State	3.0-4.6%	-	-
Nonstate	3.35-6.0%	-	-
TRS:			
Teachers	-	3.75-5.25%	-
Non Teachers	-	3.40-6.50%	-
SPDDRS:	-	-	5.0% for first 2 yrs of service 4.5% for the next 3 yrs of service 4.0% for the next 5 yrs and 3.25% thereafter
Inflation rate	1.9%	1.9%	1.9%
Discount rate	7.5%	7.5%	7.5%
Mortality rates	Healthy males - 110% of RP-2000 Non-Annuitant, Scale AA Healthy females - 101% of RP-2000 Non-Annuitant, Scale AA Disabled males - 96% of RP-2000 Disabled Annuitant, Scale AA Disabled females - 107% of RP-2000 Disabled Annuitant, Scale AA	Active - RP2000, non-annuitant monthly mortality table, retired - RP2000 healthy annuitant, scale AA; disabled - RP2000 disabled annuitant mortality table, scale AA	Active - RP2000 non-annuitant mortality table, scale annuitant mortality table, scale BB; retired and disabled - RP2000 healthy annuitant mortality table, scale BB
Withdrawal rates			
State	1.75-35.1%	Teachers: 1.2 - 30%	0 - 2.67%
Non-state	2-35.8%	Non-teachers: 1.4 - 22.5%	
Disability rates	0 - .675%	0 - .88%	.05 - .4%
Retirement rates	15% - 100%	15% - 100%	20% - 100%
Date range in most recent experience study	2009-2014	2006 - 2010	2006 - 2011

**WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)**

4 - ACTUARIAL VALUATIONS - DEFINED BENEFIT PLANS (Continued)

Actuarial Assumptions and Methods (Continued)

	SPRS	DSRS	JRS
Actuarial cost method	Individual entry age normal cost with level percentage of payroll	Individual entry age normal cost with level percentage of payroll	Individual entry age normal cost with level percentage of payroll
Asset valuation method	Fair value	Fair value	Fair value
Amortization method	Level dollar, fixed period	Level dollar, fixed period	Level dollar, fixed period
Amortization period	Through FY 2029	Through FY 2029	-
Actuarial assumptions:			
Investment rate of return	7.5%	7.5%	7.5%
Projected salary increases	5.0% for first 2 yrs of service, 4.5% for next 3 yrs of service, 4.0% for the next 5 yrs, and 3.25% thereafter	5.0% for first 2 yrs of service, 4.5% for next 3 yrs of service, 4.0% for the next 5 yrs, and 3.5% thereafter	4.25%
Inflation rate	1.9%	1.9%	1.9%
Discount rate	7.5%	7.5%	7.5%
Mortality rates	Active - RP2000 Non-annuitant mortality table, scale BB; retired and disabled - RP2000 healthy annuitant mortality table, scale BB	Active - RP2000 Non-annuitant mortality table, scale BB; retired and disabled RP2000 healthy annuitant mortality table, scale BB	Active - N/A; retired and disabled RP2000 healthy annuitant mortality table, scale BB
Withdrawal rates	0 - 12.32%	.35% - 12.32%	-
Disability rates	.05 - .4%	.05% - .4%	-
Retirement rates	20% - 100%	20% - 100%	5% - 100%
Date of most recent experience study	2006 - 2011	2006 - 2011	2006 - 2011
	EMSRS	MPFRS	
Actuarial cost method	Individual entry age normal cost with level percentage of payroll	Individual entry age normal cost with level percentage of payroll	
Asset valuation method	Fair value	Fair value	
Amortization method	Level dollar, fixed period	Level dollar, fixed period	
Amortization period	Through FY 2038	-	
Actuarial assumptions:			
Investment rate of return	7.5%	7.5%	
Projected salary increases	By age from 4.75% at age 30 declining to 3.25% at age 65	By age from 4.75% at age 30 declining to 3.25% at age 65	
Inflation rate	1.9%	1.9%	
Discount rate	7.5%	7.5%	
Mortality rates	Active - RP2000 non-annuitant mortality table, scale BB, retired and disabled - RP2000 healthy annuitant mortality table, scale BB	Active - RP2000 non-annuitant mortality table, scale BB; retired and disabled - RP2000 healthy annuitant mortality table, scale BB	
Withdrawal rates	3% - 14%	3% - 14%	
Disability rates	.008 - .285%	.05 - .40%	
Retirement rates	20% - 100%	20% - 100%	
Date of most recent experience study	N/A	N/A	

**WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)**

5 - INVESTMENTS

The Board has adopted investment guidelines that are consistent with those specified in the West Virginia Code. Those guidelines authorize the Board to invest with IMB in obligations of the United States and certain of its agencies, certificates of deposit, direct and general obligations of states, repurchase agreements relating to certain securities, equity securities, real estate, and guaranteed investment contracts. Plan assets of the defined benefit plans are invested by the IMB. Investments are managed by a third party administrator as the trustee for the TDCRS.

The IMB invests plan assets in accordance with West Virginia Code and policies established by the IMB. Individual defined benefit plan assets are invested by the IMB in the various IMB pools. The following is a summary of the investments held by IMB for each plan as of June 30, 2015 and 2014 (in thousands):

June 30, 2015	PERS	TRS	SPDDRS	SPRS	DSRS	JRS	EMSRS	MPFRS
Large cap equity	\$1,259,338	\$1,452,924	\$ 129,216	\$ 28,066	\$ 37,166	\$ 37,255	\$ 12,293	\$ 413
Non-large cap equity	297,243	346,188	30,875	6,741	8,826	8,868	2,916	98
International qualified	557,358	644,694	58,014	12,278	16,048	16,265	5,289	167
International equity	997,735	1,173,026	101,871	23,394	30,629	29,984	10,115	312
Private equity	565,518	654,960	59,689	13,387	17,353	17,500	5,905	195
Real estate	598,464	705,093	61,147	13,449	17,551	17,869	5,830	191
Total return fixed income	579,040	659,042	58,776	13,476	17,112	16,917	5,609	190
Core fixed income	248,963	286,618	25,425	5,815	7,403	7,496	2,436	84
Hedge fund	613,874	712,844	60,844	13,339	17,468	17,543	5,637	186
TRS annuity	-	(96)	-	-	-	-	-	-
Short term fixed income	24,855	117,825	21,482	2,009	625	1,006	517	108
Total investments	<u>\$5,742,388</u>	<u>\$6,753,118</u>	<u>\$ 607,339</u>	<u>\$ 131,954</u>	<u>\$ 170,181</u>	<u>\$ 170,703</u>	<u>\$ 56,547</u>	<u>\$ 1,944</u>

June 30, 2014	PERS	TRS	SPDDRS	SPRS	DSRS	JRS	EMSRS	MPFRS
Large cap equity	\$1,145,321	\$1,324,099	\$ 125,777	\$ 24,634	\$ 32,947	\$ 33,599	\$ 10,916	\$ 230
Non-large cap equity	400,856	463,970	42,199	8,466	11,449	11,772	3,755	76
International qualified	556,196	640,632	58,706	10,985	15,281	16,213	4,850	100
International equity	1,018,952	1,178,932	107,924	22,187	29,604	30,063	9,851	202
Private equity	549,804	637,022	54,936	11,232	15,527	16,136	5,393	112
Real estate	517,214	598,156	55,283	10,947	14,771	15,185	4,853	101
Total return fixed income	558,951	643,611	59,807	12,251	16,288	16,522	5,434	112
Core fixed income	241,787	275,801	25,575	5,278	7,009	7,120	2,336	49
Hedge fund	577,172	667,548	65,821	12,688	16,718	16,970	5,214	108
TRS annuity	-	(17)	-	-	-	-	-	-
Short term fixed income	14,398	168,607	542	1,011	496	218	345	52
TIPS	49,161	57,015	4,507	893	1,401	1,441	396	8
Total investments	<u>\$5,629,812</u>	<u>\$6,655,376</u>	<u>\$ 601,077</u>	<u>\$ 120,572</u>	<u>\$ 161,491</u>	<u>\$ 165,239</u>	<u>\$ 53,343</u>	<u>\$ 1,150</u>

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

5 - INVESTMENTS (Continued)

Large Cap Equity

The Pool's objective is to exceed, net of external investment management fees, the S&P 500 Stock Index over three to five year periods. Assets are managed by INTECH Investment Management, LLC, and State Street Global Advisors.

Credit Risk

The Pool is exposed to credit risk from investments made with cash collateral for securities loaned. This risk is limited by requiring minimum ratings on debt instruments. Long-term debt instruments must be rated A or better by Moody's or Standard & Poor's at the time of purchase. Short-term debt instruments must be rated P-1 by Moody's or A-1 by Standard & Poor's at the time of purchase. The following table provides information on the weighted average credit ratios of the Pool's investments as of June 30, 2015 (in thousands).

Investment Type	Moody's	S&P	Fair Value	Percent of Assets
Corporate asset backed issues	Aaa	AAA	\$ 6,225	0.2%
Corporate CMO	Aaa	AAA	2,345	0.1
Foreign asset backed issues	Aaa	AAA	529	0.0
Foreign corporate bonds	Aa	A	1,748	0.0
Foreign government bonds	Aa3	A	251	0.0
Preferred stock	A	A	42	0.0
Short-term issue	P-1	A-1	158,805	4.1
U.S. corporate bonds	A1	A	1,006	0.0
U.S. Government agency bonds	Aaa	AA	235	0.0
U.S. Government agency CMO				
interest-only	Aaa	AA	45	0.0
U.S. Government agency MBS	Aaa	AA	111,550	2.9
U.S. Treasury bonds	Aaa	AA	39,426	1.0
Total rated investments			322,207	8.3
Common stock			3,533,100	91.7
Total investments			\$ 3,855,307	100.0%

This table includes investments received as collateral for repurchase agreements with a fair value of \$302,436 (in thousands) as compared to the amortized cost of the repurchase agreements of \$286,428 (in thousands).

Concentration of Credit Risk

The Pool is restricted from investing more than 5 percent of the value of the Pool in any one company. At June 30, 2015, the Pool was in compliance with this restriction and is not exposed to concentration of credit risk.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

5 - INVESTMENTS (Continued)

Large Cap Equity (Continued)

Custodial Credit Risk

At June 30, 2015, the Pool held no securities that were subject to custodial credit risk. Repurchase agreements, when held, are collateralized to a minimum of 102 percent and the collateral is held in the name of the IMB. All remaining securities are held by IMB's custodian in the name of IMB.

Interest Rate Risk

The Pool is exposed to interest rate risk from investments made with cash collateral for securities loaned. The weighted average maturity for investments made with cash collateral for securities loaned is not to exceed 90 days. The maturity of floating rate notes is assumed to be the next interest reset date. The following table provides the weighted average maturities (WAM) for the investments made with cash collateral for securities loaned as of June 30, 2015 (in thousands).

<u>Investment Type</u>	<u>Fair Value</u>	<u>WAM (days)</u>
Asset backed issues	\$ 197	22
Repurchase agreements	286,428	1
Time deposits	<u>137,472</u>	1
 Total	 <u>\$ 424,097</u>	 1

Foreign Currency Risk

The Pool is exposed to no or minimal foreign currency risk.

Non-Large Cap Equity

The Pool invests in the equities of small to mid-sized companies and its objective is to exceed, net of external investment management fees, the Russell 2500 Index over three to five year periods. Assets are managed by Aronson Johnson Ortiz, LP and Westfield Capital Management.

Credit Risk

The Pool is exposed to credit risk from investments made with cash collateral for securities loaned. This risk is limited by requiring minimum ratings on debt instruments. Long-term debt instruments must be rated A or better by Moody's or Standards & Poor's at the time of purchase. Short-term debt instruments must be rated P-1 by Moody's or A-1 by Standard & Poor's at the time of purchase.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

5 - INVESTMENTS (Continued)

Non-Large Cap Equity (Continued)

The following table provides information on the weighted average credit ratings of the Pool's investments as of June 30, 2015 (in thousands).

Investment Type	Moody's	S&P	Fair Value	Percent of Assets
Corporate asset backed issues	Aaa	AAA	\$ 4,720	0.4%
Corporate CMO	Aaa	AAA	1,778	0.2
Foreign asset backed issues	Aaa	AAA	401	0.0
Foreign corporate bonds	Aa	A	1,325	0.1
Foreign government bonds	Aa3	A	190	0.0
Preferred stock	A	A	32	0.0
Short-term issue	P-1	A-1	112,978	9.8
U.S. corporate bonds	A1	A	762	0.1
U.S. Government agency bonds	Aaa	AA	178	0.0
U.S. Government agency CMO interest-only	Aaa	AA	34	0.0
U.S. Government agency MBS	Aaa	AA	84,577	7.4
U.S. Treasury bonds	Aaa	AA	29,892	2.6
Total rated investments			236,867	20.6
Common stock			911,488	79.4
Total investments			\$ 1,148,355	100.0%

This table includes investments received as collateral for repurchase agreements with a fair value of \$229,307 (in thousands) as compared to the amortized cost of the repurchase agreements of \$217,169 (in thousands).

Concentration of Credit Risk

The Pool is restricted from investing more than 5 percent of the value of the Pool in any one company. At June 30, 2015, the Pool was in compliance with this restriction and is not exposed to concentration of credit risk.

Custodial Credit Risk

At June 30, 2015, the Pool held no securities that were subject to custodial credit risk. Repurchase agreements, when held, are collateralized to a minimum of 102 percent and the collateral is held in the name of the IMB. All remaining securities are held by the IMB's custodian in the name of the IMB.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

5 - INVESTMENTS (Continued)

Non-Large Cap Equity (Continued)

Interest Rate Risk

The Pool is exposed to interest rate risk from investments made with cash collateral for securities loaned. The weighted average maturity for investments made with cash collateral for securities loaned is not to exceed 90 days. The maturity of floating rate notes is assumed to be the next interest reset date. The following table provides the weighted average maturities (WAM) for the investments made with cash collateral for securities loaned as of June 30, 2015 (in thousands).

<u>Investment Type</u>	<u>Fair Value</u>	<u>WAM (days)</u>
Asset backed issues	\$ 149	22
Repurchase agreements	217,169	1
Time Deposits	<u>104,230</u>	1
Total	<u>\$ 321,548</u>	1

Foreign Currency Risk

The Pool is exposed to no or minimal foreign currency risk.

International Qualified

The Pool invests in Silchester International Investors' International Value Equity Group Trust. The Pool's objective is to produce investment returns that exceed the Morgan Stanley Capital International's Europe Australasia Far East (EAFE) index by 200 basis points on an annualized basis over three to five year periods, net of external investment management fees. Only "qualified participants" (as defined by the *Internal Revenue Code*) may invest in the Pool.

The Pool invests in a collective trust fund that invests in equities denominated in foreign currencies. The value of this investment at June 30, 2015 was \$1,310,286 (in thousands). This investment, although denominated in U.S. dollars, is exposed to foreign currency risk through the underlying investments. West Virginia statute limits the amount of international securities to no more than 30 percent of the total assets managed by the IMB. At June 30, 2015, the IMB was in compliance with this limitation. The Pool is not exposed to credit risk, interest rate risk, custodial credit risk, or concentration of credit risk.

International Equity

This Pool invests in the equities of international companies. Assets are managed by Acadian Asset Management, LLC, Axiom International Investors, LLC, Brandes Investment Partners, L.P., LSV Asset Management, Pictet Asset Management Limited through February 20, 2015 and Oberweis Asset Management, Inc. beginning February 25, 2015. The objective of the Pool is to exceed, net of external investment management fees, Morgan Stanley Capital International's All Country World Free Ex US index over three to five year periods.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

5 - INVESTMENTS (Continued)

International Equity (Continued)

Credit Risk

The Pool is exposed to credit risk from investments made with cash collateral for securities loaned. This risk is limited by requiring minimum ratings on debt instruments. Long-term debt instruments must be rated A or better by Moody's or Standard & Poor's at the time of purchase. Short-term debt instruments must be rated P-1 Moody's or A-1 by Standard & Poor's at the time of purchase. The following table provides information on the weighted average credit ratings of the Pool's investments as of June 30, 2015 (in thousands).

<u>Investment Type</u>	<u>Moody's</u>	<u>S&P</u>	<u>Fair Value</u>	<u>Percent of Assets</u>
Corporate asset backed issues	Aaa	AAA	\$ 3,101	0.1%
Corporate CMO	Aaa	AAA	1,168	0.0
Foreign asset backed issues	Aaa	AAA	264	0.0
Foreign corporate bonds	Aa	A	871	0.0
Foreign government bonds	Aa	A	125	0.0
Short-term issue	Aaa	AAA	32,015	1.1
Time deposits	P-1	A-1	68,488	2.3
U.S. corporate bonds	A	A	501	0.0
U.S. Government agency bonds	Aaa	AA	117	0.0
U.S. Government agency CMO interest-only	Aaa	AA	22	0.0
U.S. Government agency MBS	Aaa	AA	55,574	1.9
U.S. Treasury bonds	Aaa	AA	19,642	0.7
Total rated investments			<u>181,888</u>	<u>6.1</u>
Common stock			2,747,001	92.5
Preferred stock			40,815	1.4
Rights			8	0.0
Total investments			<u>\$ 2,969,712</u>	<u>100.0%</u>

This table includes investments received as collateral for repurchase agreements with a fair value of \$150,672 (in thousands) as compared to the amortized cost of the repurchase agreements of \$142,698 (in thousands).

Concentration of Credit Risk

The Pool is restricted from investing more than 5 percent of the value of the Pool in any one company. At June 30, 2015, the Pool was in compliance with this restriction and is not exposed to concentration of credit risk.

Custodial Credit Risk

At June 30, 2015, the Pool held no securities that were subject to custodial credit risk. Repurchase agreements, when held, are collateralized to a minimum of 102 percent and the collateral is held in the name of the IMB. All remaining securities are held by IMB's custodian in the name of IMB.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

5 - INVESTMENTS (Continued)

International Equity (Continued)

Interest Rate Risk

The Pool is exposed to interest rate risk from investments made with cash collateral for securities loaned. The weighted average maturity for investments made with cash collateral for securities loaned is not to exceed 90 days. The maturity of floating rate notes is assumed to be the next interest reset date. The following table provides the weighted average maturities (WAM) for the investments made with cash collateral for securities loaned as of June 30, 2015 (in thousands).

<u>Investment Type</u>	<u>Fair Value</u>	<u>WAM (days)</u>
Asset backed issues	\$ 97	22
Repurchase agreements	142,698	1
Time Deposits	<u>68,488</u>	<u>1</u>
Total	<u>\$ 211,283</u>	<u>1</u>

Foreign Currency Risk

The Pool has both equity securities and cash that are denominated in foreign currencies and are exposed to foreign currency risks. The amounts at fair value (in U.S. dollars) of investments and cash denominated in foreign currencies as of June 30, 2015 are as follows (in thousands):

<u>Currency</u>	<u>Investments</u>	<u>Cash</u>	<u>Total</u>	<u>Percent</u>
Australian Dollar	\$ 71,411	\$ 21	\$ 71,432	2.4%
Brazil Real	113,460	829	114,289	3.8
British Pound	272,285	1,049	273,334	9.2
Canadian Dollar	130,182	62	130,244	4.4
Czech Koruna	11,113	-	11,113	0.4
Danish Krone	24,755	1	24,756	0.8
Egyptian Pound	3,762	-	3,762	0.1
Emirati Dirham	3,773	-	3,773	0.1
Euro Currency Unit	410,970	(51)	410,919	13.9
Hong Kong Dollar	267,032	979	268,011	9.0
Hungarian Forint	9,379	106	9,485	0.3
Indian Rupee	49,212	1,019	50,231	1.7
Indonesian Rupiah	19,720	39	19,759	0.7
Israeli Shekel	19,243	3	19,246	0.6
Japanese Yen	401,766	2,410	404,176	13.6
Malaysian Ringgit	12,366	252	12,618	0.4
Mexican Peso	35,498	5	35,503	1.2
New Taiwan Dollar	70,408	2,623	73,031	2.5
New Zealand Dollar	1,056	57	1,113	0.0
Norwegian Krone	26,742	34	26,776	0.9
Pakistan Rupee	5,610	-	5,610	0.2
Philippine Peso	8,810	-	8,810	0.3

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

5 - INVESTMENTS (Continued)

International Equity (Continued)

Currency	Investments	Cash	Total	Percent
Polish Zloty	10,753	71	10,824	0.4
Qatari Riyal	300	9	309	0.0
Singapore Dollar	13,923	151	14,074	0.5
South African Rand	48,901	551	49,452	1.7
South Korean Won	174,570	1,238	175,808	5.9
Swedish Krona	48,637	1	48,638	1.6
Swiss Franc	97,333	14	97,347	3.3
Thailand Baht	25,382	29	25,411	0.9
Turkish Lira	45,967	-	45,967	1.5
Total	\$ 2,434,319	\$ 11,502	\$ 2,445,821	82.3%

This table excludes investments held by the Pool that are denominated in U.S. dollars. The market value of the U.S. dollar denominated investments is \$527,419 (in thousands) or 17.7 percent.

Short-Term Fixed Income

The main objective of the Pool is to maintain sufficient liquidity to fund withdrawals by the participant plans and to invest cash contributions until such time as the money can be transferred to other asset classes without sustaining capital losses. JP Morgan Investment Advisors, Inc. manages the Pool. The Pool's investment objective, net of external investment management fees, is to meet or exceed the Citigroup ninety - day T-bill index plus fifteen basis points.

Credit risk

The IMB limits the exposure to credit risk in the Pool by requiring all corporate bonds to be rated AA or higher. Commercial paper must be rated A-1 by Standard & Poor's and P-1 by Moody's. Additionally, the Pool must have at least 15 percent of its assets in United States Treasury issues.

The following table provides information on the weighted average credit ratings of the Pool's investments as of June 30, 2015 (in thousands):

Investment Type	Moody's	S&P	Carrying Value	Percent
Commercial paper	Aaa	AA	\$ 22,999	8.5%
U.S. Government agency issues	Aaa	AA	136,763	50.5
U.S. Treasury issues	Aaa	AA	110,922	41.0
Total rated investments			\$ 270,684	100.0%

This table includes U.S. treasury notes received as collateral for a repurchase agreement with a fair value of \$65,365 (in thousands) as compared to the amortized cost of the repurchase agreement of \$64,341 (in thousands).

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

5 - INVESTMENTS (Continued)

Short-Term Fixed Income (Continued)

Concentration of Credit Risk

The Pool is restricted from investing more than 5 percent of the value of the Pool in any one corporate name. At June 30, 2015, the Pool was in compliance with this restriction and is not exposed to concentration of credit risk.

Custodial Credit Risk

At June 30, 2015, the Pool held no investments that were subject to custodial credit risk. Repurchase agreements are collateralized at 102 percent and the collateral is held in the name of the IMB. All remaining investments are held by the IMB's custodian in the name of the IMB.

Interest rate risk

The weighted average maturity of the investments of the Pool is not to exceed 60 days. The maturity of floating rate notes is assumed to be the next interest rate reset date. The following table provides the weighted average maturities (WAM) for the various asset types in the Pool as of June 30, 2015 (in thousands):

Investment Type	Carrying Value	WAM (days)
Commercial paper	\$ 22,999	19
Repurchase agreement	64,341	1
U.S. Government agency issues	136,763	52
U.S. Treasury issues	<u>45,557</u>	70
Total investments	<u>\$ 269,660</u>	40

Foreign currency risk

The Pool has no investments that are subject to foreign currency risk.

Total Return Fixed Income

The main objective of this Pool is to earn superior returns with low volatility by actively investing in the extended fixed income markets. Dodge & Cox, Franklin Templeton Investments, and Western Asset Management Company manage the Pool. The Pool's investment objective, net of external investment management fees, is to meet or exceed the Barclays Capital Universal index.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

5 - INVESTMENTS (Continued)

Total Return Fixed Income (Continued)

Credit risk

The IMB limits the exposure to credit risk in the Pool by maintaining at least an average rating of investment grade as defined by the Nationally Recognized Statistical Rating Organizations. The following table provides the weighted average credit ratings of the rated assets in the Pool as of June 30, 2015 (in thousands):

Investment Type	Moody's	S&P	Fair Value	Percent of Assets
Corporate asset backed issues	A	AA	\$ 116,267	4.8%
Corporate CMO	B	B	101,927	4.2
Corporate CMO interest-only	C	Not Rated	7,706	0.3
Corporate preferred security	Ba	BB	10,430	0.4
Foreign asset backed issues	A	A	20,876	0.9
Foreign corporate bonds	Baa	BB	286,053	11.9
Foreign government bonds	Baa	BBB	212,335	8.8
Municipal bonds	A	A	51,734	2.2
Short-term issue	Aaa	AAA	102,153	4.3
Time deposits	P-1	A-1	7,174	0.3
U.S. corporate bonds	Baa	BBB	578,292	24.2
U.S. Government agency bonds	Aaa	AA	2,579	0.1
U.S. Government agency CMO	Aaa	AA	80,795	3.4
U.S. Government agency CMO interest-only	Aaa	AA	3,819	0.2
U.S. Government agency MBS	Aaa	AA	298,744	12.4
U.S. Government agency TBA	Aaa	AA	884	0.0
U.S. Treasury bonds	Aaa	AA	113,459	4.7
U.S. Treasury inflation-protected Securities	Aaa	AA	20,616	0.9
Total rated investments			<u>2,015,843</u>	<u>84.0</u>
Common stock			7,266	0.3
Corporate CMO residuals			21,983	0.9
Investments in other funds			356,277	14.8
Options contracts purchased			1,114	0.0
Total investments			<u>\$ 2,402,483</u>	<u>100.0%</u>

This table includes investments received as collateral for repurchase agreements with a fair value of \$15,783 (in thousands) as compared to the amortized cost of the repurchase agreements of \$14,948 (in thousands).

Concentration of credit risk

The Pool is restricted from investing more than 5 percent of the value of the Pool in any one corporate name. At June 30, 2015, the Pool was in compliance with this restriction and is not exposed to concentration of credit risk.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

5 - INVESTMENTS (Continued)

Total Return Fixed Income (Continued)

Custodial credit risk

At June 30, 2015, the Pool held no securities that were subject to custodial credit risk. Repurchase agreements, when held, are collateralized at 102 percent and the collateral is held in the name of the IMB. Investments in commingled funds are held in an account in the name of the IMB. All remaining securities are held by the IMB's custodian in the name of the IMB.

Interest rate risk

The IMB monitors interest rate risk of the Pool by evaluating the effective duration of the investments in the Pool. The following table provides the weighted average effective duration for the various asset types in the Pool as of June 30, 2015 (in thousands):

Investment Type	Fair Value	Effective Duration (years)
Corporate asset backed issues	\$ 115,952	2.2
Corporate CMO	101,802	1.8
Corporate CMO interest-only	7,706	18.8
Corporate preferred security	10,428	0.3
Foreign asset backed issues	20,849	1.6
Foreign corporate bonds	285,960	6.0
Foreign government bonds	212,324	6.3
Investments in other funds	356,277	3.2
Municipal bonds	51,734	8.4
Repurchase agreements	14,948	0.0
Short term issues	102,153	0.0
Time deposits	7,173	0.0
U.S. Corporate bonds	578,249	6.6
U.S. Government agency bonds	2,566	4.3
U.S. Government agency CMO	80,795	2.1
U.S. Government agency CMO interest only	3,816	2.2
U.S. Government agency MBS	292,921	2.6
U.S. Government agency TBA	884	2.1
U.S. Treasury bonds	111,398	4.2
U.S. Treasury inflation-protected securities	<u>20,616</u>	14.0
 Total investments	<u>\$ 2,378,551</u>	4.5

The Pool invests in commercial and residential mortgage-backed securities, asset-backed securities, and collateralized mortgage obligations. The cash flows from these securities are based on the payment of the underlying collateral. The effective duration and yield to maturity of these securities are dependent on estimated prepayment assumptions that consider historical experience, market conditions and other criteria. Actual prepayments may vary with changes in interest rates.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

5 - INVESTMENTS (Continued)

Total Return Fixed Income (Continued)

Rising interest rates often result in a slower rate of prepayments while declining rates tend to lead to faster prepayments. As a result, the fair values of these securities are highly sensitive to interest rate changes. At June 30, 2015, the Pool held \$623,846 (in thousands) of these securities. This represents approximately 26 percent of the value of the Pool's securities.

Foreign currency risk

The Pool has foreign government bonds and foreign corporate bonds that are denominated in foreign currencies and are exposed to foreign currency risks. The Pool also has foreign denominated future contracts and foreign exchange forward contracts. Additionally, the Pool has indirect exposure to foreign currency risk through its ownership interests in certain of the commingled investment pools. Approximately \$124,768 (in thousands), or 35 percent, of the commingled investment pools hold substantially all of their investments in foreign currencies. This represents approximately 5 percent of the value of the Pool's securities. The amounts at fair value (in U.S. dollars) of investments and cash denominated in foreign currencies as of June 30, 2015, are as follows (in thousands):

Currency	Investments	Cash	Total	Percent
Brazil Real	\$ 16,991	\$ -	\$ 16,991	0.7%
Colombian Peso	2,706	-	2,706	0.1
Deutsche Mark	2,086	-	2,086	0.0
Euro Currency Unit	29,225	2,006	31,231	1.3
Ghanaian Cedi	1,267	-	1,267	0.1
Indian Rupee	3,385	-	3,385	0.1
Japanese Yen	53,751	2,782	56,533	2.3
Kenyan Shilling	1,937	-	1,937	0.1
Mexican Peso	35,266	162	35,428	1.5
Nigerian Naira	461	-	461	0.0
Russian Ruble	5,933	192	6,125	0.3
Serbian Dinar	1,634	-	1,634	0.1
South African Rand	5,431	214	5,645	0.2
Swiss Franc	1,375	-	1,375	0.1
Turkish Lira	3,302	-	3,302	0.1
Ugandan Shilling	1,248	3	1,251	0.1
Uruguayan Peso	4,093	-	4,093	0.2
Zambian Kwacha	2,594	12	2,606	0.1
	<hr/>	<hr/>	<hr/>	<hr/>
	\$ 172,685	\$ 5,371	\$ 178,056	7.4%

This table excludes investments held by the Pool that are denominated in U.S. dollars. The market value of the U.S. dollar denominated investments and cash is \$2,234,766 (in thousands). This represents approximately 93 percent of the value of the Pool's investments.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

5 - INVESTMENTS (Continued)

Core Fixed Income

The main objective of this Pool is to generate investment income, provide stability and diversification, but not at the expense of total return. JP Morgan Investment Advisors, Inc. manages this Pool. This Pool's investment objective, net of external investment management fees, is to meet or exceed the Barclays Capital U.S. Aggregate index.

Credit Risk

The IMB limits the exposure to credit risk in the Pool by maintaining at least an average rating of investment grade as defined by the Nationally Recognized Statistical Rating Organizations. The following table provides the weighted average credit ratings of the rated assets in the Pool as of June 30, 2015 (in thousands):

Investment Type	Moody's	S&P	Fair Value	Percent of Assets
Corporate asset backed issues	A	A	\$ 76,880	7.0%
Corporate CMO	A	A	87,661	8.0
Corporate CMO-interest only	Ba	AAA	1,198	0.1
Corporate CMO-principal only	B	AA	278	0.0
Foreign asset backed issues	Aa	AA	2,813	0.3
Foreign corporate bonds	A	A	46,435	4.3
Foreign government bonds	Aa	A	7,814	0.7
Municipal bonds	Aa	AA	8,646	0.8
Preferred stock	A	A	2	0.0
Short-term issue	Aaa	AAA	41,293	3.8
Time deposits	P-1	A-1	7,044	0.6
U.S. Corporate bonds	A	A	222,329	20.4
U.S. Government agency bonds	Aaa	AA	21,742	2.0
U.S. Government agency CMO	Aaa	AA	144,364	13.2
U.S. Government agency CMO interest-only	Aaa	AA	6,921	0.6
U.S. Government agency CMO principal only	Aaa	AA	10,501	1.0
U.S. Government agency MBS	Aaa	AA	194,546	17.8
U.S. Treasury bonds	Aaa	AA	204,400	18.7
U.S. Treasury inflation protected security	Aaa	AA	415	0.0
Total rated investments			<u>1,085,282</u>	<u>99.3</u>
Common stock			<u>7,134</u>	<u>0.7</u>
Total investments			<u>\$ 1,092,416</u>	<u>100.0%</u>

This table includes investments received as collateral for repurchase agreements with a fair value of \$15,496 (in thousands) as compared to the amortized cost of the repurchase agreements of \$14,676 (in thousands).

Concentration of Credit Risk

The Pool is restricted from investing more than 5 percent of the value of the Pool in any one corporate name. At June 30, 2015, the Pool was in compliance with this restriction and is not exposed to concentration of credit risk.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

5 - INVESTMENTS (Continued)

Core Fixed Income (Continued)

Custodial Credit Risk

At June 30, 2015, the Pool held no securities that were subject to custodial credit risk. Repurchase agreements, when held, are collateralized at 102 percent and the collateral is held in the name of the IMB. All remaining securities are held by the IMB's custodian in the name of the IMB.

Interest Rate Risk

The IMB monitors interest rate risk of the Pool by evaluating the effective duration of the investments in the Pool. The following table provides the weighted average effective duration for the various asset types in the Pool as of June 30, 2015 (in thousands):

Investment Type	Fair Value	Effective Duration (years)
Corporate asset backed issues	\$ 76,574	2.0
Corporate CMO	87,539	2.0
Corporate CMO interest-only	1,198	(8.5)
Corporate CMO principal-only	278	3.2
Foreign asset backed issues	2,786	0.1
Foreign corporate bonds	46,346	5.7
Foreign government bonds	7,800	8.7
Municipal bonds	8,646	13.9
Repurchase agreements	14,676	0.0
Short-term issue	41,293	0.0
Time deposits	7,044	0.0
U.S. Corporate bonds	222,273	6.1
U.S. Government agency bonds	21,730	4.7
U.S. Government agency CMO	144,364	3.7
U.S. Government agency CMO interest-only	6,919	7.6
U.S. Government agency CMO principal-only	10,501	7.4
U.S. Government agency MBS	188,831	4.8
U.S. Treasury bonds	202,383	7.2
U.S. Treasury inflation protected security	415	5.4
Total investments	<u>\$ 1,091,596</u>	4.8

The Pool invests in commercial and residential mortgage-backed securities, asset-backed securities, and collateralized mortgage obligations. The cash flows from these securities are based on the payment of the underlying collateral. The effective duration and yield to maturity of these securities are dependent on estimated prepayment assumptions that consider historical experience, market conditions and other criteria. Actual prepayments may vary with changes in interest rates. Rising interest rates often result in a slower rate of prepayments while declining rates tend to lead to faster prepayments. As a result, the fair values of these securities are highly sensitive to interest rate changes. At June 30, 2015, the Pool held \$518,979 (in thousands) of these securities. This represents approximately 48 percent of the value of the Pool's securities.

**WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)**

5 - INVESTMENTS (Continued)

Core Fixed Income (Continued)

Foreign Currency Risk

None of the securities held by the Pool are exposed to foreign currency risk.

TRS Annuity Pool

The Pool held an investment contract issued by the Variable Annuity Life Insurance Company (VALIC) strictly for the benefit of the Teachers Retirement System (TRS). On December 10, 2008, the IMB assumed responsibility for this investment as part of the restructuring of the Teachers Defined Contribution (TDC) plan, a separate retirement plan administered solely by the Consolidated Public Retirement System, whereby certain TDC participants elected to transfer the ownership of their individual TDC retirement accounts to the TRS in exchange for current participation in the TRS defined benefit plan. The final amount transferred under the contract was \$248,293 (in thousands).

The IMB initially requested the immediate redemption of the entire balanced but VALIC denied the request, claiming the amounts were subject to withdrawal restrictions. Effective April 23, 2009, the IMB, while reserving its rights under the contract, executed the appropriate forms with VALIC to elect to withdraw funds under the Five Year Equal Annual Installment method. By making this election the guaranteed minimum annual yield of 4.5 percent became the fixed rate for this contract. The first four withdrawals of \$55,058 (in thousands) each occurred on May 4, 2009, 2010, 2011, and 2012. The final withdrawal of \$55,191 (in thousands) occurred on May 8, 2013. On that date, all remaining income, net of all management fees, was distributed to TRS and all units of ownership in the Pool were redeemed.

In response to VALIC's denial to allow the IMB to liquidate the contract in its entirety, the IMB sued VALIC and the litigation is ongoing. The outcome of the litigation is unknown and accordingly the IMB has not accrued any potential revenues from the case. There are ongoing legal fees associated with this litigation and these expenses are accrued to the Pool. The funding for the payment of these expenses results from contributions by the TRS into the TRS Annuity Pool. No other management fees are charged to the Pool and none have been charged since the final withdrawal on May 8, 2013. Amounts recovered pursuant to the litigation, if any, will be recorded in the TRS Annuity Pool and distributed to the TRS. Once the case is resolved the TRS Annuity Pool will be closed.

Private Equity

The Pool holds investments in private equity funds, a hedge fund, and a commingled investment fund. Franklin Park Associates, LLC has been retained by the IMB to provide consulting services for the private equity funds. The hedge fund is managed by Bridgewater Associates, LP and the commingled investment fund is managed by State Street Global Advisors.

The Pool holds limited partnerships, shares of a hedge fund, a commingled investment fund, and a money market fund with the highest credit rating. The investments in limited partnerships and a hedge fund might be indirectly exposed to foreign currency risk, credit risk, interest rate risk, and/or custodial credit risk. The Pool is restricted from investing more than 10 percent of the IMB's total private equity exposure in a single fund. At June 30, 2015, the Pool was in compliance with this restriction and is not exposed to concentration of credit risk.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

5 - INVESTMENTS (Continued)

Real Estate

The Pool holds the IMB's investments in real estate investment trusts (REITs) and real estate limited partnerships and funds. Courtland Partners, Ltd. has been retained by the IMB to provide consulting services for the real estate funds and limited partnerships. The REITs are managed by EII Capital Management, Inc. (EII) through September 24, 2014, CBRE Clarion Securities, LLC., and Security Capital Research & Management Inc.

Credit Risk

The IMB limits the exposure to credit risk in the Pool by maintaining at least an average rating of investment grade as defined by the Nationally Recognized Statistical Rating Organizations. The following table provides the weighted average credit ratings of the rated assets in the Pool as of June 30, 2015 (in thousands):

Investment Type	Moody's	S&P	Fair Value	Percent of Assets
Corporate asset backed issues	Aaa	AAA	\$ 154	0.0%
Corporate CMO	Aaa	AAA	58	0.0
Foreign asset backed issues	Aaa	AAA	13	0.0
Foreign corporate bonds	Aa	A	44	0.0
Foreign government bonds	Aa	A	6	0.0
Short-term issue	Aaa	AAA	37,584	2.5
Time deposits	P-1	A-1	3,422	0.2
U.S. Corporate bonds	A1	A	48,954	3.3
U.S. Government agency bonds	Aaa	AA	6	0.0
U.S. Government agency CMO interest-only	Aaa	AA	1	0.0
U.S. Government agency MBS	Aaa	AA	2,776	0.2
U.S. preferred stock	Baa	BB	72,960	4.9
U.S. Treasury issues	Aaa	AA	981	0.1
Total rated investments			<u>166,959</u>	<u>11.2</u>
Common stock			<u>165,490</u>	<u>11.0</u>
Real estate limited partnerships and funds			<u>1,166,391</u>	<u>77.8</u>
Total investments			<u>\$ 1,498,840</u>	<u>100.0%</u>

This table includes investments received as collateral for repurchase agreements with a fair value of \$7,526 (in thousands) as compared to the amortized cost of the repurchase agreements of \$7,130 (in thousands).

Concentration of Credit Risk

The Pool's investments in private real estate partnerships and funds might be indirectly exposed to concentration of credit risk.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

5 - INVESTMENTS (Continued)

Real Estate (Continued)

Custodial Credit Risk

At June 30, 2015, the Pool held no securities that were subject to custodial credit risk. Repurchase agreements, when held, are collateralized to a minimum of 102 percent and the collateral is held in the name of the IMB. All remaining securities except for the investments in real estate partnerships and funds, are held by the IMB's custodian in the name of the IMB. The investments in real estate partnerships and funds might be indirectly exposed to custodial credit risk.

Interest Rate Risk

The IMB monitors interest rate risk of the Pool by evaluating the effective duration of the investments in the Pool. The following table provides the weighted average effective duration for the various asset types in the Pool as of June 30, 2015 (in thousands).

Investment Type	Fair Value	Effective Duration (years)
Asset backed issues	\$ 4	1.0
Repurchase agreements	7,130	0.0
Short-term issue	37,584	0.0
Time deposits	3,422	0.0
U.S. corporate bonds	48,929	1.7
U.S. preferred stock	<u>72,959</u>	1.9
Total investments	<u>\$ 170,028</u>	1.3

Investments in real estate limited partnerships and funds and common stocks do not have an effective duration.

Foreign Currency Risk

The Pool has real estate investment trusts and real estate limited partnerships and funds that are denominated in foreign currencies and are exposed to foreign currency risks. The amounts at fair value (in U.S. dollars) of investment denominated in foreign currencies as of June 30, 2015, are as follows (in thousands):

Currency	Investments	Percent
Australian Dollar	\$ 4,884	0.3%
British Pound	5,856	0.4
Canadian Dollar	156	0.0
Euro Currency Unity	48,995	3.4
Hong Kong Dollar	5,948	0.4
Japanese Yen	8,907	0.6
Singapore Dollar	2,179	0.1
Swedish Krona	297	0.0
Swiss Franc	<u>220</u>	<u>0.0</u>
Total investments	<u>\$ 77,442</u>	<u>5.2%</u>

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

5 - INVESTMENTS (Continued)

Real Estate (Continued)

This table excludes investments held by the Pool that are denominated in U.S. dollars. The market value of the U.S. dollar denominated investments and cash is \$1,421,002 (in thousands). This represents 95 percent of the value of the Pool's investments.

Hedge Fund

The Pool was established to hold the IMB's investments in hedge funds. Albourne America, LLC has been retained by the IMB to provide consulting services for this investment strategy.

The Pool holds shares in hedge funds and shares of a money market fund with the highest credit rating. The investments in hedge funds might be indirectly exposed to foreign currency risk, credit risk, interest rate risk and/or custodial credit risk. The Pool is restricted from investing more than 10 percent of the value of the Pool with any single manager. At June 30, 2015, the Pool was in compliance with this restriction and is not exposed to concentration of credit risk.

IMB Commitments

The IMB, with the assistance of its consultant, began implementing its plan to invest in private equity partnerships in February 2008. As of June 30, 2015, the IMB had made commitments to forty-six private equity general partnerships (in thousands):

Partnership Classification	Total Commitment	Funded Commitment	Unfunded Commitment
Corporate finance - buyout funds	\$ 949,000	\$ 496,827	\$ 452,173
Corporate finance - distressed debt	210,000	140,293	69,707
Corporate finance - growth equity	80,000	72,114	7,886
Corporate finance - mezzanine	50,000	21,130	28,870
Corporate finance - turnaround	200,000	98,064	101,936
Venture capital	<u>198,000</u>	<u>107,339</u>	<u>90,661</u>
Total	<u>\$ 1,687,000</u>	<u>\$ 935,767</u>	<u>\$ 751,233</u>

The IMB, with the assistance of its consultant, began implementing its plan to invest in real estate in February 2008. As of June 30, 2015, the IMB has made the following commitments to thirty-eight real estate investment funds/partnerships (in thousands):

Partnership Classification	Total Commitment	Funded Commitment	Unfunded Commitment
Core funds	\$ 580,000	\$ 566,827	\$ 13,173
Opportunistic funds	415,696	190,250	225,446
Value funds	<u>601,000</u>	<u>274,177</u>	<u>326,823</u>
Total	<u>\$ 1,596,696</u>	<u>\$ 1,031,254</u>	<u>\$ 565,442</u>

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

5 - INVESTMENTS (Continued)

Investments and Deposits - TDCRS

Credit Risk

The TDCRS' investments are not rated as to credit risk.

Concentration of Credit Risk

As of June 30, 2015 and 2014, the TDCRS has investment balances with the following issuers which were greater than 5% of the total investment balance of the TDCRS (in thousands):

<u>Mutual Funds:</u>	<u>2015</u>	<u>2014</u>
PIMCO Total Return Fund	\$ 29,367	\$ 31,504
Valic Fixed Annuity Option	117,130	108,328
Great West Secure Foundation Balanced	35,029	34,377
Fidelity New Millennium	64,395	-
John Hancock Large Cap Equity	-	63,918
Putnam Equity Income	34,809	37,040
Vanguard Large Cap Index	37,995	34,635
Other (less than 5% individually)	98,034	90,228
	<u>\$ 416,759</u>	<u>\$ 400,030</u>

Custodial Credit Risk

As of June 30, 2015, the TDCRS held no securities that were subject to custodial credit risk.

Concentration of Credit Risk - Cash Deposits

At June 30, 2015 TDCRS had \$5,309,000 on deposit with the West Virginia State Treasurer's Office and \$293,000 in depository accounts with financial institutions. The deposits with financial institutions, which had a bank balance of \$293,000, are either insured by the Federal Deposit Insurance Corporation or collateralized with securities held in TDCRS' name by its agent.

Interest Rate Risk

As of June 30, 2015, the TDCRS had the following investments and maturities (in thousands):

<u>Investment Type</u>	<u>Fair Value</u>	<u>Investment Maturities (in Years)</u>		
		<u>Less than 1</u>	<u>1-5</u>	<u>6-10</u>
Mutual Funds	\$ 416,759	\$ 416,759	\$ -	\$ -

Foreign Currency Risk

There are no securities held by TDCRS that are subject to foreign currency risk.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

6 - DUE FROM STATE OF WEST VIRGINIA

The State of West Virginia reached a settlement with the United States Department of Health & Human Services in January 2011, requiring additional contributions of \$20 million per year for nine years from the State of West Virginia general fund to PERS. Contributions of \$5,000,000 are due quarterly on the 15th day after each quarter end, beginning on October 15, 2011. The remaining balance of the amount due from the state was \$105,000,000 and \$125,000,000 at June 30, 2015 and 2014, respectively.

7 - CONTINGENCIES

The Board is engaged in various legal actions that it considers to be in the ordinary course of business. Some of these cases involve potentially significant amounts for which legal counsel is unable to render an opinion on the outcome. Further, the financial impact of some cases is dependent upon judicial rulings in favor of petitioners and would have to be actuarially determined, inasmuch as the relief sought is an increase in the petitioners' annuity benefit. Accordingly, the financial statement impact of such cases cannot be determined at the present time. As legal actions are resolved, the Board recognizes the liability in its financial statements in the period the amount can be estimated.

8 - RISK MANAGEMENT

The Board is exposed to various risks of loss related to torts; theft or damage to, and destruction of assets; errors and omissions; injuries to, and illnesses of employees; medical liabilities; and natural disasters.

Health insurance coverage for the Board's employees is obtained through its participation in the West Virginia Public Employees Insurance Agency (PEIA). PEIA provides the following basic employee benefit coverage to all participants: hospital, surgical, group major medical, basic group life, accidental death, and prescription drug coverage for active and retired employees of the State of West Virginia and various related State and non-State agencies. Additionally, the Board has obtained coverage for job-related injuries through the purchase of a policy through a commercial carrier. In exchange for the payment of premiums to PEIA and a commercial carrier, the Board has transferred its risks related to health coverage for employees and job-related injuries of employees. Furthermore, the Board is a participant in the self-insured public entity risk pool administered by the Board of Risk and Insurance Management. Coverage is in the amount of \$1,000,000 per occurrence for general liability and property damage.

There have been no significant reductions in insurance coverage from the prior year. Additionally, the amount of settlements has not exceeded insurance coverage in the past three years.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

9 - NEW ACCOUNTING PRONOUNCEMENTS

The Governmental Accounting Standards Board has issued Statement No. 72, *Fair Value Measurement and Application*, effective for fiscal years beginning after June 15, 2015. This Statement will enhance comparability of financial statements among governments by requiring measurement of certain assets and liabilities at fair value using a consistent and more detailed definition of fair value and accepted valuation techniques. This Statement also will enhance fair value application guidance and related disclosures in order to provide information to financial statement users about the impact of fair value measurements on a government's financial position. The Board has not yet determined the effect that the adoption of GASB Statement No. 72 may have on its financial statements.

The Governmental Accounting Standards Board has also issued Statement No. 73, *Accounting and Financial Reporting for Pensions and Related Assets That are Not within the Scope of GASB Statement No 68, and Amendments to Certain Provisions of GASB Statements 67 and 68*. The requirement of this Statement that address accounting and financial reporting by employers and governmental nonemployer contributing entities for pensions that are not within the scope of Statement No. 68 are effective for fiscal years beginning after June 15, 2016, and the requirements of this Statement that address financial reporting for assets accumulated for purposes of providing those pensions are effective for fiscal years beginning after June 15, 2015. The requirements of this Statement will improve financial reporting by establishing a single framework for the presentation of information about pensions, which will enhance the comparability of pension-related information reported by employers and nonemployer contributing entities. The Board has not yet determined the effect that the adoption of GASB Statement No. 73 may have on its financial statements.

The Governmental Accounting Standards Board has also issued Statement No. 74, *Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans*, effective for fiscal years beginning after June 15, 2016. The requirements of this Statement will improve the usefulness of information about postemployment benefits other than pensions (other postemployment benefits or OPEB) included in general purpose external financial reports of state and local governmental OPEB plans for making decision and assessing accountability. The Statement will not affect the Board's financial statements as it does not administer a plan, but participates in a cost sharing plan.

The Governmental Accounting Standards Board has also issued Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pension*, effective for fiscal years beginning after June 15, 2017. The requirements of this Statement will improve accounting and financial reporting by state and local governments for postemployment benefits other than pensions (other postemployment benefits or OPEB). It also improves information provided by state and local governmental employers about financial support for OPEB that is provided by other entities. The Board has not yet determined the effect that the adoption of GASB Statement No 75 may have on its financial statements.

The Governmental Accounting Standards Board has also issued Statement No. 76, *The Hierarchy of Generally Accepted Accounting Principles for State and Local Governments*, effective for fiscal years beginning after June 15, 2015. The requirements of this Statement will identify – in the context of the current governmental financial reporting environment – the hierarchy of generally accepted accounting principles (GAAP). The “GAAP hierarchy” consists of the sources of accounting principles used to prepare financial statements of state and local government entities in conformity with GAAP and the framework for selecting those principles. This Statement reduces the GAAP hierarchy to two categories of authoritative GAAP and addresses the use of authoritative and non authoritative literature in the event that the accounting treatment for a transaction or other event is not specified within a source of authoritative GAAP. The Board has not yet determined the effect that the adoption of GASB Statement No. 76 may have on its financial statements.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
NOTES TO FINANCIAL STATEMENTS
(CONTINUED)

9 - NEW ACCOUNTING PRONOUNCEMENTS (CONTINUED)

The Governmental Accounting Standards Board has also issued Statement No.79, *Certain Investment Pools and Pool Participants*, effective for fiscal years beginning after December 15, 2015. This Statement establishes accounting and financial reporting standards for qualifying external investment pools that elect to measure for financial reporting purposes all of their investments at amortized cost. This Statement also establishes accounting and financial reporting standards for state and local governments that participate in a qualifying external investment pool that measures for financial reporting purposes all of its investments at amortized cost. This Statement provides specific criteria to be used to determine whether a qualifying external investment pool may elect to use an amortized cost exception to fair value measurement. Those criteria will provide qualifying external investment pools and participants in those pools with consistent application of an amortized cost-based measurement for financial reporting purposes. That measurement approximates fair value and mirrors the operations of external investment pools that transact with participants at a stable net asset value per share. The Board has not yet determined the effect that the adoption of GASB Statement No. 79 may have on its financial statements.

REQUIRED SUPPLEMENTARY INFORMATION

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
REQUIRED SUPPLEMENTARY INFORMATION
SCHEDULES OF NET PENSION LIABILITY AND CHANGES IN NET PENSION LIABILITY
(In Thousands)

Fiscal Years Ending June 30

	PERS		TRS		SPDDRS		SPRS	
	2015	2014	2015	2014	2015	2014	2015	2014
Total pension liability:								
Service cost	\$ 137,207	\$ 132,500	\$ 146,798	\$ 147,149	\$ 1,774	\$ 2,215	\$ 6,337	\$ 5,890
Interest	456,033	440,022	744,460	730,912	50,748	49,778	9,024	8,021
Differences between actual and expected experience	152,277	-	(36,005)	-	4,344	-	(201)	-
Assumption changes	(89,556)	-	-	-	-	-	-	-
Benefit payments	(373,889)	(353,611)	(718,695)	(676,210)	(39,710)	(37,565)	(1,050)	(913)
Net change in total pension liability	282,072	218,911	136,558	201,851	17,156	14,428	14,110	12,998
Total pension liability - beginning	<u>6,130,174</u>	<u>5,911,263</u>	<u>10,132,186</u>	<u>9,930,335</u>	<u>694,359</u>	<u>679,931</u>	<u>114,501</u>	<u>101,503</u>
Total pension liability - ending (a)	<u>6,412,246</u>	<u>6,130,174</u>	<u>10,268,744</u>	<u>10,132,186</u>	<u>711,515</u>	<u>694,359</u>	<u>128,611</u>	<u>114,501</u>
Plan fiduciary net position:								
Contributions - employer	188,966	194,728	440,762	141,840	21,669	1,072	4,060	4,049
Contributions - member	62,763	60,899	94,618	90,612	445	545	3,609	3,630
Other statutorily required contributions	-	-	-	321,553	-	-	-	-
Other contributions - appropriations	-	-	-	50,855	-	25,146	-	-
Net investment income	219,329	864,023	256,704	1,003,180	22,866	90,872	4,533	17,756
Benefit payments	(373,889)	(353,611)	(718,695)	(676,210)	(39,710)	(37,566)	(1,050)	(912)
Administrative expense	(4,785)	(4,695)	(4,432)	(4,348)	(51)	(53)	(46)	(43)
Other	318	132	52,039	3,510	1,043	739	-	-
Net change in plan fiduciary net position	92,702	761,476	120,996	930,992	6,262	80,755	11,106	24,480
Plan fiduciary net position - beginning	<u>5,761,109</u>	<u>4,999,633</u>	<u>6,682,093</u>	<u>5,751,101</u>	<u>601,077</u>	<u>520,322</u>	<u>120,572</u>	<u>96,092</u>
Plan fiduciary net position - ending (b)	<u>5,853,811</u>	<u>5,761,109</u>	<u>6,803,089</u>	<u>6,682,093</u>	<u>607,339</u>	<u>601,077</u>	<u>131,678</u>	<u>120,572</u>
Net pension liability - ending (a) - (b)	<u>\$ 558,435</u>	<u>\$ 369,065</u>	<u>\$ 3,465,655</u>	<u>\$ 3,450,093</u>	<u>\$ 104,176</u>	<u>\$ 93,282</u>	<u>\$ (3,067)</u>	<u>\$ (6,071)</u>
Plan fiduciary net position as a percentage of total pension liability	91.29%	93.98%	66.25%	65.95%	85.36%	86.57%	102.38%	105.30%
Covered-employee payroll	\$ 1,373,129	\$ 1,389,850	\$ 1,481,786	\$ 1,493,515	\$ 5,120	\$ 5,988	\$ 29,574	\$ 27,701
Net pension liability as a percentage of covered-employee payroll	40.67%	26.55%	233.88%	231.00%	2034.69%	1557.82%	(10.37%)	(21.92%)

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD

REQUIRED SUPPLEMENTARY INFORMATION

SCHEDULES OF NET PENSION LIABILITY AND CHANGES IN NET PENSION LIABILITY
(In Thousands)

Fiscal Years Ending June 30

	DSRS		JRS		EMSRS		MPFRS	
	2015	2014	2015	2014	2015	2014	2015	2014
Total pension liability:								
Service cost	\$ 5,887	\$ 5,716	\$ 2,812	\$ 2,819	\$ 2,969	\$ 3,010	\$ 485	\$ 237
Interest	13,612	12,612	8,459	7,978	4,345	3,879	74	28
Differences between actual and expected experience	946	-	(6,506)	-	(1,067)	-	49	-
Assumption changes	-	-	-	-	-	-	-	-
Benefit payments	(8,372)	(7,791)	(4,288)	(4,455)	(2,268)	(1,747)	(49)	(7)
Net change in total pension liability	12,073	10,537	477	6,342	3,979	5,142	559	258
Total pension liability - beginning	179,797	169,260	112,081	105,739	56,092	50,950	522	264
Total pension liability - ending (a)	191,870	179,797	112,558	112,081	60,071	56,092	1,081	522
Plan fiduciary net position:								
Contributions - employer	6,454	5,977	2,845	2,456	2,608	2,442	417	279
Contributions - member	4,068	3,908	413	474	2,111	2,077	417	279
Other statutorily required contributions	-	-	-	-	-	-	-	-
Other contributions - appropriations	-	-	-	-	-	-	-	-
Net investment income	6,534	24,438	5,949	25,263	2,144	7,874	67	125
Benefit payments	(8,372)	(7,794)	(4,288)	(4,455)	(2,268)	(1,749)	(49)	(7)
Administrative expense	(97)	(97)	(6)	(7)	(46)	(42)	(7)	(3)
Other	25	558	-	32	(37)	141	-	-
Net change in plan fiduciary net position	8,612	26,990	4,913	23,763	4,512	10,743	845	673
Plan fiduciary net position - beginning	162,746	135,756	165,239	141,476	53,646	42,903	1,202	529
Prior period adjustment	-	-	-	-	(1,220)	-	-	-
Plan fiduciary net position - beginning, as restated	162,746	135,756	165,239	141,476	52,426	42,903	1,202	529
Plan fiduciary net position - ending (b)	171,358	162,746	170,152	165,239	56,938	53,646	2,047	1,202
Net pension liability - ending (a) - (b)	\$ 20,512	\$ 17,051	\$ (57,594)	\$ (53,158)	\$ 3,133	\$ 2,446	\$ (966)	\$ (680)
Plan fiduciary net position as a percentage of total pension liability	89.31%	90.52%	151.17%	147.43%	94.78%	95.64%	189.36%	230.27%
Covered-employee payroll	\$ 46,634	\$ 45,106	\$ 9,248	\$ 8,870	\$ 24,145	\$ 22,548	\$ 3,784	\$ 1,833
Net pension liability as a percentage of covered-employee payroll	43.99%	37.80%	(622.77%)	(599.30%)	12.98%	10.85%	(25.53%)	(37.10%)

FINANCIAL SECTION

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD

REQUIRED SUPPLEMENTARY INFORMATION

SCHEDULES OF CONTRIBUTIONS
(In Thousands)

Year Ended June 30	Actuarially Determined Contribution		Actual Contribution		Contribution Deficiency (Excess)		Covered Payroll	Actual Contribution as a % of Covered Payroll	
									%
PERS									
2015	\$ 183,658		\$ 189,947		\$ (6,289)		\$ 1,373,129		13.83 %
2014	189,303		194,728		(5,425)		1,389,850		14.01
2013	194,259		187,576		6,683		1,382,647		13.57
2012	181,481		191,009		(9,528)		1,327,717		14.39
2011	192,577		160,494		32,083		1,315,441		12.20
2010	158,329		139,282		19,047		1,274,485		10.93
2009	132,147		128,010		4,137		1,219,388		10.50
2008	79,009		127,670		(48,661)		1,191,130		10.72
2007	104,742		123,195		(18,453)		1,159,715		10.62
2006	114,336		133,596		(19,260)		1,162,098		11.50
TRS (1)									
2015	\$ 454,721		\$ 490,640		\$ (35,919)		\$ 1,481,786		33.11 %
2014	488,511		514,248		(25,737)		1,493,515		34.43
2013	457,977		486,781		(28,804)		1,510,082		32.24
2012	471,027		482,232		(11,205)		1,505,749		32.03
2011	497,362		501,090		(3,728)		1,500,761		33.39
2010	412,641		445,977		(33,336)		1,499,232		29.75
2009	323,323		381,363		(58,040)		1,409,437		27.06
2008	337,316		371,387		(34,071)		828,939		44.80
2007	348,688		1,485,379		(1,136,691)		759,206		195.65
2006	342,073		661,172		(319,099)		735,614		89.88
SPDRS									
2015	\$ 20,860		\$ 21,668		\$ (808)		\$ 5,120		423.20 %
2014	25,146		26,218		(1,072)		5,988		437.84
2013	15,162		16,210		(1,048)		6,779		239.12
2012	22,051		23,297		(1,246)		8,001		291.18
2011	25,940		25,131		809		8,960		280.48
2010	12,416		12,169		247		10,215		119.13
2009	4,018		4,679		(661)		10,400		44.99
2008	5,693		5,352		341		10,997		48.67
2007	6,227		6,024		203		11,128		54.13
2006	27,224		76,554		(49,330)		11,252		680.36
SPRS									
2015	\$ 3,183		\$ 4,060		\$ (877)		\$ 29,574		13.73 %
2014	3,363		4,049		(686)		27,701		14.62
2013	3,802		4,193		(391)		27,670		15.15
2012	3,837		4,544		(707)		24,725		18.38
2011	4,387		4,570		(183)		23,635		19.34
2010	4,642		3,005		1637		22,382		13.43
2009	3,446		2,340		1106		20,285		11.54
2008	2,161		2,318		(157)		18,850		12.30
2007	1,613		2,176		(563)		15,870		13.71
2006	1,351		1,821		(470)		14,311		12.72
DSRS (3)									
2015	\$ 3,681		\$ 5,972		\$ (2,291)		\$ 46,634		12.81 %
2014	4,774		5,977		(1,203)		45,106		13.25
2013	5,335		5,704		(369)		43,583		13.09
2012	5,354		5,431		(77)		42,366		12.82
2011	5,876		4,227		1,649		41,109		10.28
2010	5,689		4,053		1,636		39,067		10.37
2009	3,770		4,277		(507)		37,366		11.45
2008	2,417		4,237		(1,820)		34,605		12.24
2007	3,073		3,894		(821)		31,967		12.18
2006	2,818		3,763		(945)		29,837		12.61

(Continued)

FINANCIAL SECTION

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD

REQUIRED SUPPLEMENTARY INFORMATION

SCHEDULES OF CONTRIBUTIONS
(In Thousands)
(Continued)

Year Ended June 30	Actuarially Determined Contribution	Actual Contribution	Contribution Deficiency (Excess)	Covered Payroll	Actual Contribution as a % of Covered Payroll
JRS					
2015	\$ 2,845	\$ 2,845	\$ -	\$ 9,248	30.76 %
2014	2,456	2,456	-	8,870	27.69
2013	2,422	2,422	-	8,860	27.34
2012	2,740	3,997	(1,257)	8,860	45.11
2011	3,454	3,954	(500)	8,256	47.89
2010	2,879	3,854	(975)	8,140	47.35
2009	2,763	6,034	(3,271)	8,261	73.04
2008	3,267	6,034	(2,767)	8,261	73.04
2007	4,204	6,034	(1,830)	8,029	75.15
2006	4,834	6,758	(1,924)	8,145	82.97
EMSRS					
2015	\$ 1,198	\$ 2,607	\$ (1,409)	\$ 24,145	10.80 %
2014	1,561	2,442	(881)	22,548	10.83
2013	1,362	2,308	(946)	21,263	10.85
2012	1,388	2,272	(884)	22,488	10.10
2011	1,345	2,264	(919)	21,362	10.60
2010	1,345	2,190	(845)	20,338	10.77
2009	915	3,779	(2,864)	17,525	21.56
MPFRS					
2015	\$ 178	\$ 417	\$ (239)	\$ 3,784	11.02 %
2014	88	279	(191)	1,833	15.22
2013	16	151	(135)	966	15.63
2012	7	72	(65)	343	20.99
2011	3	31	(28)	208	14.90

Notes:

⁽¹⁾ Contributions for the Teachers Retirement System include employer contributions and interest from out-of-state services and surcharges on fire and casualty insurance policies which are specifically identified to fund the plan per West Virginia State Code Section 33-3-14d and 33-33-33.

⁽²⁾ Contributions for SPDDRS include employer contributions and other payments designated by WV State Code Section 15-2-26 - Payments to members for court attendance and mileage; rewards for apprehending wanted persons; fees for traffic accident reports and photographs; fees for criminal investigation reports and photographs; fees for criminal history record checks; and fees for

⁽³⁾ Contributions for DSRS include employer contributions and various other fees designated for the fund from charges and fees per WV State Code Section 7-14E-2 and 17A-3-17 - Charges for obtaining reports (i.e., accident reports); fees for performing certain services (adult private employment finger printing for federal firearm permits, motor vehicle number identification, adult identification

See Independent Auditor's Report and Notes to Required Supplementary Information.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD
REQUIRED SUPPLEMENTARY INFORMATION

SCHEDULES OF INVESTMENT RETURNS

Fiscal Year Ending June 30

Plan	Annual Return ¹	
	2015	2014
PERS	3.93%	17.94%
TRS	3.92%	17.85%
SPDDRS	3.92%	17.86%
SPRS	4.03%	17.92%
DSRS	3.97%	17.94%
JRS	3.97%	17.95%
EMSRS	4.04%	17.90%
MPFRS	4.37%	17.03%

¹ Annual money-weighted rate of return, net of investment expenses

See Independent Auditor's Report and Notes to Required Supplementary Information.

WEST VIRGINIA CONSOLIDATED PUBLIC RETIREMENT BOARD

NOTES TO REQUIRED SUPPLEMENTARY INFORMATION

1 - ACTUARIAL ASSUMPTIONS AND METHODS

The information presented in the Schedules of Net Pension Liability and Changes in Net Pension Liability and Schedules of Investment Returns was based on the actuarial valuations as of July 1, 2014 and rolled forward to June 30, 2015 using the actuarial assumptions and methods described in Note 5 to the Financial Statements, Actuarial Valuations - Defined Benefit Plans.

The information presented in the Schedule of Contributions was based on the actuarial valuations as of July 1, 2014 using the actuarial assumptions and methods as follows:

	PERS	TRS	SPDRS	SPRS	DSRS	JRS	EMSRS	MPFRS
Actuarial cost method	Entry age normal cost	Entry age normal cost	Entry age normal cost	Entry age normal cost, level percentage of payroll	Entry age normal cost, level percentage of payroll	Entry age normal cost	Entry age normal cost with aggregate normal cost level percentage of payroll	Entry age normal cost with aggregate normal cost level percent
Asset valuation method	Four-year smoothing	Market value	Market value	Market value	Market value	Market value	Market value	Market value
Amortization method	Level dollar	Level dollar	Level dollar	Level dollar	Level percentage of open group payroll plus fee deposits	Level dollar	Level dollar	Level dollar
Amortization period	Through FY 2035	Through FY 2034	Through FY 2025	Through FY 2030	Through FY 2029	N/A	Through FY 2039	Through FY 2040
Actuarial assumptions:								
Investment rate of return	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%
Projected salary increases:								
PERS:								
State	4.25% - 6.00%	-	-	-	-	-	-	-
Nonstate	4.25% - 6.00%	-	-	-	-	-	-	-
TRS:								
Teachers	-	3.75% - 5.25%	-	-	-	-	-	-
Non Teachers	-	3.40% - 6.50%	-	-	-	-	-	-
Other plans	-	-	5.0% per year for the first 2 years of service; 4.5% for the next 3 years of service; 4.0% for the next 5 years and 3.25% thereafter	5.0% per annum for the first 2 years of service; 4.5% for the next 3 years; 4.0% for the next 5 years and 3.25% thereafter	5.0% for the first 2 years of service; 4.5% for the next 3 years; 4.0% for the next 5 years and 3.5% thereafter	4.25%	By age from 4.75% at age 30 declining to 3.25% at age 65	By age from 4.75% at age 30 declining to 3.25% at age 65
Inflation rate	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Mortality rates	Healthy males - 1983 GAM; healthy females - 1971 GAM, set back 1 year; disabled males - 1971 GAM, set forward 8 years; disabled females - revenue ruling 96-7	Active - RP2000 non-annuitant table, retired - RP2000 healthy annuitant table; disabled males - RP2000 disabled annuitant table, setback 2 years; disabled females - RP2000 disabled annuitant table, setback 1 year	Active - RP2000 non-annuitant table, scale BB; retired - RP2000 healthy annuitant table, scale BB; disabled - RP2000 health annuitant table, scale BB, set forward 1 year	Active - RP2000 non-annuitant table, scale BB; retired - RP2000 healthy annuitant table, scale BB; disabled - RP2000 health annuitant table, scale BB, set forward 1 year	Active - RP2000 non-annuitant table, scale BB; retired - RP2000 healthy annuitant table, scale BB; disabled - RP2000 health annuitant table, scale BB, set forward 1 year	Retired - RP2000 health annuitants, scale BB; disabled: RP2000 health annuitants, scale BB, set forward 1 year	Active - RP2000 non-annuitant table, scale BB; retired - RP2000 healthy annuitant table, scale BB; disabled - RP2000 health annuitant table, scale BB, set forward 1 year	Active - RP2000 non-annuitant table, scale BB; retired - RP2000 healthy annuitant table, scale BB; disabled - RP2000 health annuitant table, scale BB, set forward 1 year
Withdrawal rates	State: 1% - 26% Non-state: 2% - 31.2%	Teachers: 1.2% - 30% Non-teachers: 1.4% - 22.5%	0% - 2.67%	.2% - 7.6%	.35% - 12.32%	-	3% - 14%	3% - 14%
Disability rates	0% - .8%	0% - .9%	.05%-.4%	.05% - .4%	.05% - .4%	-	.008% - .285%	.05% - .40%
Retirement rates	15% - 100%	15% - 100%	20% - 100%	20% - 100%	20% - 100%	5% - 100%	20% - 100%	20% - 100%
Date range in most recent experience study	2004 - 2009	2006 - 2010	2006 - 2011	2006 - 2011	2007 - 2012	2007 - 2012	N/A	N/A

2 - HISTORICAL TREND INFORMATION

Generally accepted accounting principles require 10 years of historical trend information to be included in the various schedules of RSI that are presented. Due to changes in actuarial methods and assumptions related to the implementation of new accounting standards during fiscal years ending June 30, 2015 and 2014, historical trend information is not readily available for fiscal years ending prior to June 30, 2014 and is not presented.

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SUPPLEMENTARY INFORMATION

FINANCIAL SECTION
Schedule of Administrative Expenses

Schedule of Administrative Expenses
Years Ended June 30, 2015 and 2014

	2015	2014
Salaries	\$ 2,755	\$ 3,035
Employee Benefits	995	1,248
Occupancy	416	426
Computer Services	473	463
Legal	410	408
External Actuarial Services	293	207
Accounting and Auditing	99	71
Consulting Services	-	309
Third Party Administrator's Fees*	479	444
Disability Exams	110	119
Office Expenses	244	399
Postage	166	165
Depreciation	168	158
Insurance	27	35
Travel	24	39
Miscellaneous	37	34
	\$ 6,696	\$ 7,560
Administrative Fees Collected from the Retirement Systems	\$ 10,526	\$ 10,348

The excess of fees collected over administrative costs incurred is allocated to reserves for information technology improvements currently in progress and other long-term costs. Fees are assessed to recover costs such that the fees collected match expenses over time.

*Third Party Administrative fees relate to the Teacher's Defined Contribution Retirement System only.

FINANCIAL SECTION
Schedule of Payments to Consultants

The following were payments to consultants for the year ended June 30, 2015:

Legal:	
Bowles, Rice, LLP	\$ 298,711
Actuary:	
Buck Consultants	\$ 246,149
Audit:	
Gibbons & Kawash, A.C.	\$ 90,030
Information Technology:	
LRWL, Inc.	\$ 246,149

See Independent Auditor's Report



Department of Natural Resources Employees Deer Release

1962

INVESTMENT SECTION



Turnpike Toll Plaza Dedication

1954

February 11, 2016

Consolidated Public Retirement Board
4101 MacCorkle Avenue, SE
Charleston, WV 25304-1636

On behalf of the West Virginia Investment Management Board (IMB), it is with pleasure that I submit the investment section of the Consolidated Public Retirement Board's comprehensive annual financial report for the fiscal year ended June 30, 2015.

As described in more detail herein, the IMB is a public body corporate, an independent organization statutorily charged with the responsibility for investing all assets of the State of West Virginia with long time horizons. These assets include the assets of all eight of the defined benefit pension plans administered by the Consolidated Public Retirement Board. As an investment fiduciary, the IMB's only focus is to invest the assets entrusted to it in the best interest of the beneficiaries. Note that in this section, the defined benefit pension plans, as a group, are generally referred to as "Participant Plans." To a large extent, each participant plan's performance is a function of the assets in which it invests. As such, a review of asset class performance for the year may be helpful.

Fiscal year 2015 was not a strong year for global markets. US stocks, while up, were short of their long-term average. Meanwhile, non-US stocks were down almost 5 percent. The broad fixed income markets were positive, but only modestly at 1.6 percent for the fiscal year as reflected by the Barclays Universal Index. In the United States, the economy was dominated by speculation over the timing and extent of any rate increase by the Federal Reserve and falling commodity prices, principally oil. Speculation on the rate increase was a direct result of positive news on the economic front as data suggested that the US economy was on stable footing. By contrast, developed international markets continued to struggle with the possible exception of the United Kingdom. The anemic pace of growth on the European continent ultimately forced policymakers to embrace quantitative easing in an effort to boost economic activity. Their efforts seem to have a positive impact on the markets but as the fiscal year wound down, the focus turned to Greece and China, with Greece threatening to exit the European Union rather than accept the conditions the Union would impose for further debt relief. Meanwhile, the Chinese stock market went into a tailspin raising further concerns about the emerging market economies going into fiscal year 2016.

The IMB's relative performance by asset class was generally mixed in fiscal year 2015. The best relative performance came from the hedge fund portfolio which outperformed its benchmark by 1.1 percent. The US equity portfolio was pedestrian by comparison, but still outperformed its benchmark by 0.4 percent. The IMB saw underperformance versus benchmarks in international equity and fixed income for the fiscal year. The private equity portfolio is still somewhat immature, so comparisons to benchmarks are problematic, but it returned 14.5 percent and helped diversify risk in the portfolio, an important goal. The real estate and hedge fund portfolios provided an alternative to fixed income as diversifying assets. They both have served that purpose well, adding value relative to fixed income,

Our mission is to exercise our best independent judgment in providing prudent and professional investment management for the exclusive benefit of the beneficiaries.

Consolidated Public Retirement Board
February 11, 2016

especially in the past year. While their primary goal in the portfolio is diversification of fixed income, both have also outperformed their benchmarks for the past fiscal year and extended periods.

For general comparison purposes, the IMB uses the Public Employees' Retirement System (PERS) as a proxy for the other pension plans because of its similarity to other statewide public pension plans throughout the nation. As of June 30, 2015, the return for PERS was up 3.9 percent net of expenses for the fiscal year. Of greater significance is the longer-term performance. In that regard, over the ten-year period ending June 30, 2015, the IMB's annualized return was 7.1 percent versus the policy benchmark of 6.1 percent. This represents millions of dollars in value added by trustees and staff. All of the other defined benefit pension plans registered returns of 4.0 percent for the fiscal year ending June 30, 2015. Since asset allocations are virtually the same for each plan, differences in the returns for the various pension plans are a function of the differences in the timing of cash flows into and out of each plan and relative levels of cash equivalent securities necessary to make benefit payments.

As an investor, the IMB's capacity to generate return on assets is largely a function of growth in the world capital markets. Diversification helps smooth the volatility in capital markets, but growth is the engine of returns. While the US economy has stabilized, the rest of the world is wrestling with geopolitical issues that complicate its path forward. The developed markets have varying degrees of structural problems related to aging populations and societal commitments that are a drain on resources. The emerging markets of the world have excellent prospects for growth, but many are dealing with cyclical downturns, exacerbated by the malaise in the developed world. While growth prospects are more promising in emerging markets, many are still struggling with structural and societal issues that could hinder the timing and extent of their recoveries in the near term. In short, the world is full of challenges for an investor. The staff looks forward to helping trustees meet the challenges as fiscal year 2016 unfolds.

Sincerely,



Craig Slaughter, JD, CFA
Executive Director/Chief Investment Officer

Note – Investments reported in the Investments Section are presented on the basis of accounting described in Note 1 of the Notes to Financial Statements included in the Financial Section of this report.

The West Virginia Investment Management Board came into existence in the spring of 1997 after years of hard work modernizing the State's investment management structure. This structural modernization was widely acknowledged as a necessary precursor to the passage of a constitutional referendum to allow investment in stocks. The risks were perceived to be too great to be managed by anything but a modern, professional entity.

Although the West Virginia Investment Management Board's predecessors, the West Virginia State Board of Investments and the West Virginia Trust Fund, Inc., brought about vast improvements, each had significant shortcomings. However, with the creation of the West Virginia Investment Management Board, the State achieved a balance between control and independence that helps foster efficient and prudent investment management of long-term assets well into the future.

The beginning of the modern era in investment management by the State goes back to the late 1970s with the consolidation of the investment authority for the State's defined benefit plans, employment security plans, and other assets into a newly created West Virginia State Board of Investments. One of the goals of the legislation was to achieve economies of scale by commingling like assets.

Significantly, this newly created West Virginia Board of Investments was staffed by the State Treasury and the board itself was made up of the State's Governor, Treasurer, and Auditor.

Although a step in the right direction, the initial West Virginia State Board of Investments lacked proper or sufficient control features. After a few problems in the 1980s, principally involving its short-term pool, the Consolidated Fund, the board was expanded to seven members, adding four members from the private sector including an attorney experienced in financial matters and a Certified Public Accountant.

In the fall of 1990, the Legislature took a huge leap forward by creating a staff for the West Virginia State Board of Investments separate from the staff of the Treasury. This provided clear accountability to the Board of Investments – something that did not exist previously. Other very important control features included: (1) a statutory requirement for an Internal Auditor, (2) an annual external audit by a certified public accounting firm, and (3) monthly reporting requirements to government leaders in accordance with generally accepted accounting principles. This last feature dictated that all pools with a weighted average maturity in excess of 90 days must be marked-to-market (carried at market value), something that had not been done in the 1980s.

At the same time, the West Virginia Board of Investments made its first tepid step towards a diversified portfolio to be invested in stocks domiciled in the United States. Although it made some initial stock purchases in 1993, which were subsequently liquidated at a gain, the statute was challenged and the West Virginia Supreme Court ruled that investing in equities was unconstitutional.

In 1996, in an effort to satisfy the constitutional strictures, the Legislature carved out the pension and employment security funds with long time horizons and placed them in a trust to be managed by a new entity called the West Virginia Trust Fund, Inc. The creation of the trust as a vehicle to allow investment in stocks was also challenged and was struck down, failing to satisfy the constitutional concerns of the Supreme Court. It did, however, bring about three very important changes. The Legislature, demonstrating impeccable managerial foresight, granted the West Virginia Trust Fund, Inc. control over its own budget. With the same foresight, the Legislature imposed personal fiduciary liability on the board and staff of the West Virginia Trust Fund, Inc. Of no less importance was the creation of representative roles for members of the retirement systems and employment security systems.

With the failure of the West Virginia Trust Fund, Inc., it and the West Virginia State Board of Investments were replaced in 1997 by a new entity, the present day West Virginia Investment Management Board. The basic modernization process was complete. All of the improvements made in the Board of Investments and the West Virginia Trust Fund, Inc. were incorporated into the new entity.

The Legislature, for policy reasons, transferred the Consolidated Fund on July 8, 2005 to a newly created West Virginia Board of Treasury Investments, chaired by the State Treasurer. This was widely perceived as a policy move to ensure direct governmental oversight of State general and special revenue funds. The West Virginia Investment Management Board continues to manage the retirement funds, the employment security funds, and other assets with long time horizons.

In 2007, the Legislature expanded the investable universe of assets, increasing the allowable allocation to public equity and international securities, while also providing for a significant allocation to “alternative investments,” loosely defined as hedge funds and private equity. Then, in 2014, the Legislature eliminated the percentage limitations on allowable asset classes or securities, joining most of its peers in recognizing the prudent investor standard of care is the most effective control on investor behavior for institutions.

The West Virginia Investment Management Board was created during the 1997 legislative session and is cited as the *West Virginia Investment Management Board Act* (the Act). The legislative findings of the Act make it clear that the West Virginia Investment Management Board was intended to be a professional, apolitical, financial management organization dedicated to the interests of the State’s teachers, public employees and workers in general. The Act was intended to give the West Virginia Investment Management Board “...the authority to develop, implement and maintain an efficient and modern system for the investment and management of the State’s money.” In order to accomplish this purpose, the Act further stated that the West Virginia Investment Management Board must “...operate as an independent board with its own full-time staff of financial professionals immune to changing political climates....” [West Virginia Code §12-6-1(a)(b)] The Act also mandates that the assets contributed by the public employee and employer to the 401(a) Plans and the assets of the Workers’ Compensation Fund and the Coal Workers’ Pneumoconiosis Fund, are “declared to be irrevocable trusts, available for no use or purpose other than for the benefit of those public employees...workers, miners and their beneficiaries....” [West Virginia Code §12-6-1(c)(d)] The West Virginia Investment Management Board is further “empowered by this Article to act as Trustee of the irrevocable trusts created by this Article, and to manage and invest other state funds.” [West Virginia Code §12-6-1a(f)]

The standard of care mandated by the Statute is that codified in the “Uniform Prudent Investor Act,” Article 6C of Chapter 44 of the *West Virginia Code*. The West Virginia Investment Management Board is further subject to the following requirements:

- (a) *Trustees shall discharge their duties with respect to the 401(a) Plans for the exclusive purpose of providing benefits to participants and their beneficiaries;*
- (b) *Trustees shall diversify fund investments so as to minimize the risk of large losses unless, under the circumstances, it is clearly prudent not to do so;*
- (c) *Trustees shall defray reasonable expenses of investing and operating the funds under management;*
- (d) *Trustees shall discharge their duties in accordance with the trust documents and instruments governing the trusts or other funds under the management insofar as the documents and instruments are consistent with provisions of this Article; and*
- (e) *The duties of the Board apply only with respect to those assets deposited with or otherwise held by it. [West Virginia Code §12-6-11]*

Governance of the West Virginia Investment Management Board is vested, by statute, in a thirteen-member Board of Trustees. Three members of the Board serve by virtue of their office: the Governor, the Auditor, and the Treasurer. The other ten are appointed by the Governor and confirmed by the Senate. All appointees must have experience in pension management, institutional management or financial markets. In addition, one must be an attorney experienced in finance and investment matters and another must be a Certified Public Accountant. Only six of the ten appointed Trustees may be from

the same political party. The Governor serves as Chairman of the Board. A Vice-Chairman is elected by the Trustees. A Secretary, who need not be a member of the Board, is also elected by the Trustees to keep a record of the proceedings of the Board.

A member of each defined benefit retirement plan is designated by the Consolidated Public Retirement Board to represent the Participant Plans' interests. Likewise, the West Virginia Insurance Commission designates a representative for the Coal Workers' Pneumoconiosis Fund and the Workers' Compensation Old Fund. Each of the Representatives may designate up to three persons to comprise a committee representing their respective plan's beneficiaries. The Representatives and Committee Members do not have a vote but have the right to be heard at the annual meetings of the Board and are subject to the same code of conduct and requirements of confidentiality that apply to the Trustees.

The day-to-day management of the West Virginia Investment Management Board is delegated to the Executive Director who is appointed by the Board and serves at its will and pleasure. The Executive Director acts as an advisor to the Board on all matters.

The staff of the West Virginia Investment Management Board is divided into two principal divisions - Investments and Operations.

The Operations Division is focused on providing the back office support necessary for the organization to function on a day-to-day basis. The Investments Division is structured to devote its time and resources to staying current with new developments and research in the investment field and being prepared to apply this knowledge to the investment of assets for the West Virginia Investment Management Board.

The primary objective of the investment pools is to provide benefits to its participants and beneficiaries. Based on general beliefs about the investment return available from a well-diversified, prudently invested portfolio, the Board has adopted specific investment objectives for each Participant Plan.

In order to achieve a specified real rate of return, the Board relies on the prevailing financial theory, which currently is an investment strategy utilizing an appropriate long-term diversified asset allocation model. A prudently allocated investment program possesses a certain level of diversification, which produces risk reduction. In terms of level of impact, diversification should be considered along the following lines: (1) asset classes (stocks, bonds, cash, non-traditional, etc.), (2) geography/country, (3) industry, and (4) maturity. Asset allocation modeling takes into consideration specific unique circumstances of each Participant Plan, such as size, liquidity needs, and financial condition (funded status) as well as general business conditions. The factors mentioned here are not intended to be limiting; rather, they are outlined as a general indication of the importance of diversification to proper asset allocation. The Board determines the proper allocation among asset classes and managers based on advice and analysis provided by staff and/or external investment consultants.

The Board recognizes that even though its investments are subject to short-term volatility, it is critical that the Board maintain the appropriate time horizon for each Participant Plan. This prevents ad hoc revisions to its philosophy and policies in reaction to either speculation or short-term market fluctuations. In order to preserve this long-term view, the Board has adopted the following formal review schedule:

Agenda Item	Review Schedule
Investment Performance	Quarterly
Investment Policy	Every Year
Policy Asset Allocation	Every Three Years
Strategic Asset Allocation	Every Three Years
Allocation Ranges	Every Three Years
Asset Allocation Review for Each Participant Plan	At Least Every Three Years

The Board may hire investment managers to implement its objectives. These managers will be given specific tactical roles within the overall strategic investment plan. Depending on their assignments, the managers may be judged on some or all of the following: (1) consistency of philosophy, style and key personnel, (2) performance relative to an appropriate index or proxy group, and (3) ability to add incremental value after costs. The Board and staff shall monitor performance and supervise all fund managers.

In determining its philosophy towards risk, the Board considers, in addition to its fiduciary obligations and statutory requirements, each entity's purpose and characteristics, financial condition, liquidity needs, sources and level of contributions, income and general business conditions. Based upon these many factors, the Board identifies whether a more aggressive or more conservative approach is warranted for each Participant Plan.

INVESTMENT OBJECTIVES

"The Board, at its annual meeting...shall review, establish and modify, if necessary, the investment objectives of the individual participant plans, as incorporated in the investment policy statements of the respective trusts so as to provide for the financial security of the trust funds giving consideration to the following: (1) Preservation of Capital; (2) Diversification; (3) Risk Tolerance; (4) Rate of Return; (5) Stability; (6) Turnover; (7) Liquidity; and (8) Reasonable Costs of Fees." [West Virginia Code §12-6-12g]

PARTICIPANT PLANS

The Board's objective is to manage the Participant Plans' moneys in an efficient and economical manner, managing risk as it seeks to achieve the specific goals set out in each Participant Plan's investment program.

EQUITY POOL

OBJECTIVES

The main objective for the Equity Pool is to provide for long-term growth for all participants. The Equity Pool is comprised of separate strategic asset classes which, when taken in aggregate, enable adequate diversification. Separate investment pools have been established for each investment style or to comply with specific legal and accounting requirements. The strategic asset classes, the Neutral Target allocations to additional sub-components of the strategic asset classes, as well as the approved Allocation Ranges within which the Allocation Committee can operate, are outlined below:

Category	Strategic Allocation	Allocation Range
U.S. Equity	25.0%	+/- 5% (20% to 30%)
International Equity	25.0%	+/- 5% (20% to 30%)
Total Equity Pool	50.0%	+/- 5% (45% to 55%)

Note: Each Participant Plan has its own unique Strategic Allocation. The above example is for clarification purposes only.

Category	Neutral Target*	Allocation Range
U.S. Large Cap vs. U.S. Non-Large Cap	Large = 1 minus Non-Large Non-Large = Russell 2500/Russell 3000	0.5 to 2.5 times benchmark Sum must equal 100
U.S. Non-Large Value vs. U.S. Non-Large Growth	Value vs. Growth Percentage in Russell 2500	0.5 to 2.5 times benchmark Sum must equal 100
International Large vs. International Small vs. Emerging Markets	Large vs. Small vs. Emerging Percentage in MSCI ACWI ex U.S. (IMI)	0.5 to 2.5 times benchmark Sum must equal 100

** The Neutral Target is established based on the listed indices and is reset, subject to Allocation Committee decisions, based on these index weights every June 30.*

**EQUITY POOL
(Continued)**

MANAGEMENT STRUCTURE

The equity pools are managed by the following firms, in accordance with a particular investment style.

Manager	Style
Large Cap Domestic Equity Pool State Street Global Advisors INTECH Investment Management, LLC	Index Core Quantitative Core
Non-Large Cap Domestic Equity Pool Westfield Capital Management AJO	Growth at a Reasonable Price Relative Value
International Qualified and International Nonqualified Pools	
<i>Developed Markets</i> Silchester International Investors	All Country, Value
International Equity Pool	
<i>Developed Markets</i> LSV Asset Management	All Country, Relative Value
<i>Small Capitalization</i> Oberweis Asset Management, Inc. Acadian Asset Management, LLC	All Country, Growth at a Reasonable Price All Country, Quantitative Value
<i>Emerging Markets</i> Brandes Investment Partners, L.P. Axiom International Investors, LLC	Emerging Market, Value Emerging Market, Growth at a Reasonable Price

FINANCIAL HIGHLIGHTS (in \$000s)

Audited financial statements are prepared for each of the equity pools and are available at WVIMB.org. Financial Highlights for each pool are presented below.

Composite	Individual Pools per Audited Financial Statements	
U.S. Large Cap	Large Cap Domestic Equity Pool	
U.S. Non-Large Cap	Non-Large Cap Domestic Equity Pool	
International	International Qualified Pool	
	International Nonqualified Pool	
	International Equity Pool	
Condensed Statement of Assets and Liabilities		
	Large Cap Domestic Equity	Non-Large Cap Domestic Equity
Investments	\$ 3,839,096	\$ 1,136,217
Payable upon return of securities loaned	(424,099)	(321,549)
Cash	1,810	-
Receivable for investments sold	443	10,660
Payable for investments purchased	(1,167)	(14,277)
Other assets and liabilities	3,409	377
Net assets - June 30, 2015	\$ 3,419,492	\$ 811,428

INVESTMENT SECTION
Investment Pool Objectives, Financial Highlights, and Performance

EQUITY POOL
(Continued)

FINANCIAL HIGHLIGHTS (continued in \$000s)

Condensed Statement of Assets and Liabilities	International Qualified	International Nonqualified	International Equity
Investments	\$ 1,310,286	\$ 153,554	\$ 2,961,738
Payable upon return of securities loaned	-	-	(211,284)
Cash	-	-	11,502
Receivable for investments sold	-	-	16,015
Payable for investments purchased	-	-	(24,117)
Foreign currency contracts	-	-	(27)
Other assets and liabilities	(46)	(5)	5,005
Net assets - June 30, 2015	<u>\$ 1,310,240</u>	<u>\$ 153,549</u>	<u>\$ 2,758,832</u>

Investments	Large Cap Domestic Equity		Non-Large Cap Domestic Equity	
	Fair Value	Percent of Securities	Fair Value	Percent of Securities
Domestic equities sector exposure:				
Basic Materials	\$ 125,051	3.3%	\$ 39,373	3.5%
Capital Goods	378,982	9.9	130,281	11.5
Communications Services	75,810	2.0	3,249	0.3
Consumer Discretionary	424,523	11.1	121,693	10.7
Consumer Staples	343,717	9.0	10,404	0.9
Energy	187,903	4.9	39,454	3.5
Financial Services	585,245	15.1	191,161	16.7
Health Care	548,917	14.3	132,060	11.6
Technology	547,915	14.2	109,221	9.6
Utilities	175,806	4.6	29,026	2.6
Total domestic equities	3,393,869	88.4	805,922	70.9
Futures	(203)	0.0	-	0.0
Short-term issues	21,333	0.6	8,747	0.8
Investments made with cash collateral				
for securities loaned	424,097	11.0	321,548	28.3
Total	<u>\$ 3,839,096</u>	<u>100.0%</u>	<u>\$ 1,136,217</u>	<u>100.0%</u>

Investments	International Qualified		International Nonqualified	
	Fair Value	Percent of Securities	Fair Value	Percent of Securities
Investments in other funds	\$ 1,310,286	100.0%	\$ 153,554	100.0%

**EQUITY POOL
(Continued)**

FINANCIAL HIGHLIGHTS (continued in \$000s)

Investments	International Equity	
	Fair Value	Percent of Securities
International equities country exposure:		
Australia	\$ 69,221	2.3%
Brazil	176,653	6.0
Canada	135,057	4.6
Cayman Islands	81,531	2.8
China	108,580	3.7
France	112,340	3.8
Germany	123,756	4.2
India	60,520	2.0
Japan	401,766	13.6
Korea	174,181	5.9
Mexico	59,498	2.0
Russia	82,501	2.8
Switzerland	97,333	3.3
Taiwan	84,402	2.8
United Kingdom	275,899	9.3
All others (none greater than 2%)	675,202	22.7
Total international equities	2,718,440	91.8
Short-term issues	32,015	1.1
Investments made with cash collateral		
for securities loaned	211,283	7.1
Total	\$ 2,961,738	100.0%

Progression of Net Assets

	Large Cap Domestic Equity	Non-Large Cap Domestic Equity
Net assets - June 30, 2014	\$ 3,097,555	\$ 1,076,383
Net increase from operations	270,042	42,672
Net increase (decrease) from unit transactions	51,895	(307,627)
Net assets - June 30, 2015	\$ 3,419,492	\$ 811,428

Progression of Net Assets

	International Qualified	International Nonqualified	International Equity
Net assets - June 30, 2014	\$ 1,303,093	\$ 153,086	\$ 2,764,423
Net increase (decrease) from operations	6,732	414	(201,934)
Net increase from unit transactions	415	49	196,343
Net assets - June 30, 2015	\$ 1,310,240	\$ 153,549	\$ 2,758,832

INVESTMENT SECTION
Investment Pool Objectives, Financial Highlights, and Performance

**EQUITY POOL
(Continued)**

INVESTMENT PERFORMANCE

The IMB calculates total rates of return using the time-weighted rate of return methodology. The time-weighted method determines the rate of return exclusive of the effects of participant contributions or withdrawals. Actual rates of return are net of investment advisor fees.

		Large Cap Domestic Equity		Non-Large Cap Domestic Equity	
Period	Actual	S&P 500	Actual	Russell 2500	
One-year	8.5%	7.4%	5.7%	5.9%	
Three-year	17.6%	17.3%	19.7%	18.7%	
Five-year	17.8%	17.3%	19.4%	17.9%	
Ten-year	8.0%	7.9%	9.6%	9.1%	

		International Qualified		International Nonqualified		International Equity	
Period	Actual	MSCI EAFE	Actual	MSCI EAFE	Actual	MSCI ACWI ex U.S. (IMI)*	
One-year	0.6%	(3.8%)	0.3%	(3.8%)	(7.5%)	(4.6%)	
Three-year	17.2%	12.5%	16.9%	12.5%	9.4%	10.1%	
Five-year	13.2%	10.0%	12.9%	10.0%	7.9%	8.3%	
Ten-year	9.8%	5.6%	9.4%	5.6%	6.4%	6.1%	

*Prior to January 2014, the International Equity Pool index was the MSCI ACWI ex U.S. (Standard).

Large Cap Domestic Equity		
Ten Largest Holdings		Fair Value
Apple Inc.		\$ 117,624
Microsoft Corporation		56,366
Exxon Mobil Corporation		53,747
Wells Fargo & Company		41,888
Johnson & Johnson		40,592
Berkshire Hathaway Inc.		37,253
Allergan PLC		34,373
General Electric Company		33,207
Facebook Inc.		32,822
Home Depot Inc.		32,694

Non-Large Cap Domestic Equity		
Ten Largest Holdings		Fair Value
United Therapeutics Corp.		\$ 12,744
Assurant Inc.		12,246
Palo Alto Networks Inc.		11,974
Jass Pharmaceuticals PLC		11,259
Jones Lang LaSalle Inc.		10,912
Community Health Systems Inc.		10,213
Jarden Corporation		8,513
Ulta Salon Cosmetics & Fragrance Inc.		8,342
Mettler-Toledo International		8,290
RPM Inc.		7,819

EQUITY POOL
(Continued)

INVESTMENT PERFORMANCE (Continued)

International Qualified

Largest Holdings	Fair Value
Silchester International Investors' Value Equity Group Trust	\$ 1,310,286

International Nonqualified

Largest Holdings	Fair Value
Silchester International Investors' Value Equity Trust	\$ 153,554

International Equity

Ten Largest Holdings	Fair Value
Samsung Electronics Co. Ltd.	\$ 34,713
Lukoil - ADR	23,878
Royal Dutch Shell	19,811
Credit Suisse Group	18,304
Shinhan Financial Group	17,646
Nippon Telegraph & Telephone	17,645
Dongfeng Motor Group Company	16,796
Swiss Re Ltd	16,691
Gazprom - ADR	16,648
Petroleo Brasileiro SA - ADR	16,388

A complete listing of the investments in each pool is available at www.wvimb.org.

EXPENSES

The IMB charges each investment pool for its direct investment-related expenses, such as investment advisor fees, custodian bank fees, and some professional service fees, and an allocated share of other expenses. The Equity Pool's expenses for the year, divided by the average net assets, are as follows:

Expense Ratios (in basis points)	Large Cap Domestic Equity	Non-Large Cap Domestic Equity	International Qualified	International Nonqualified	International Equity
Investment advisor fees	7.7	22.7	51.4	61.7	58.2
Trustee fees	0.0*	0.0*	0.0*	0.0*	0.0*
Custodian bank fees	0.3	0.5	N/A	N/A	4.8
Management fees	2.6	2.6	2.6	2.6	2.6
Fiduciary bond fees	0.0*	0.0*	0.0*	0.0*	0.0*
Professional service fees	0.5	0.5	0.5	0.5	0.7
Total	11.1	26.3	54.5	64.8	66.3

* Expense Ratio rounds to less than 0.1 basis points.

INVESTMENT SECTION
Investment Pool Objectives, Financial Highlights, and Performance

**EQUITY POOL
(Continued)**

EXPENSES (Continued)

Trading Costs	Large Cap Domestic Equity	Non-Large Cap Domestic Equity	International Equity	Total
Net commission costs (in \$000s)	\$ 1,065	\$ 1,092	\$ 3,379	\$ 5,536
Domestic equity commission rate (cents per share)	2.4	1.6		
International equity commission rate (basis points per dollar volume)			12.2	

SHORT-TERM FIXED INCOME POOL

OBJECTIVES

The Short-Term Fixed Income Pool was created to maintain sufficient liquidity to meet the daily disbursements requested by the Plans and to invest any contributions until the time the money is transferred to other asset classes without sustaining capital losses and while earning a small return above inflation. The Short-Term Fixed Income Pool is structured as a money market fund where the goal is a stable dollar value per share, thus preserving principal. The risk factor on this pool is low and managed through numerous maturity restrictions, diversification guidelines, and credit limits. The participants are paid on an income basis that includes interest income net of expenses.

MANAGEMENT STRUCTURE

The Short-Term Fixed Income Pool is managed by JPMorgan Investment Advisors, Inc.

FINANCIAL HIGHLIGHTS (in \$000s)

Audited financial statements for the Short-Term Fixed Income Pool are available at WVIMB.org. Financial Highlights are presented below.

Condensed Statement of Assets and Liabilities

Investments	\$ 269,660
Other assets and liabilities, net	56
Net assets - June 30, 2015	<u><u>\$ 269,716</u></u>

Investments

	Fair Value	Percent of Securities
Commercial paper	\$ 22,999	8.5%
Repurchase agreement	64,341	23.9
U.S. government agency issues	136,763	50.7
U.S. Treasury issues	45,557	16.9
Total	<u><u>\$ 269,660</u></u>	100.0%

Progression of Net Assets

Net assets - June 30, 2014	\$ 339,070
Net increase from operations	20
Income distributions to unitholders	(14)
Net decrease from unit transactions	(69,360)
Net assets - June 30, 2015	<u><u>\$ 269,716</u></u>

SHORT-TERM FIXED INCOME POOL
(Continued)

INVESTMENT PERFORMANCE

The IMB calculates total rates of return using the time-weighted rate of return methodology. The time-weighted method determines the rate of return exclusive of the effects of participant contributions or withdrawals. Actual rates of return are net of investment advisor fees.

Period	Actual	Citigroup 90 Day Treasury Bill*
One-year	0.1%	0.0%
Three-year	0.1%	0.1%
Five-year	0.1%	0.2%
Ten-year	1.5%	1.5%

***Prior to January 2014, the Short-Term Fixed Income Pool index was the Citigroup 90 Day Treasury Bill plus 15 basis points.**

Private Equity		
Ten Largest Holdings		Fair Value
Repurchase Agreement, 0.12%, 7/1/2015		\$ 63,341
Federal Home Loan Bank Discount Note, 0.0%, 8/5/2015		20,518
Federal Home Loan Bank Discount Note, 0.0%, 7/6/2015		20,000
Federal Home Loan Bank Discount Note, 0.0%, 7/31/2015		19,000
Federal Home Loan Bank Discount Note, 0.0%, 9/2/2015		12,998
Federal Home Loan Mortgage Corp. Discount Note, 0.0%, 9/28/2015		12,498
Federal Home Loan Bank Discount Note, 0.0%, 9/2/2015		12,000
United States Treasury Note, 1.25%, 8/31/2015		10,020
United States Treasury Note, 0.00%, 10/1/2015		10,000
Federal Home Loan Bank Discount Note, 0.0%, 9/23/2015		8,798

A complete listing of the investments in each pool is available at www.wvimb.org.

EXPENSES

The IMB charges each investment pool for its direct investment-related expenses, such as investment advisor fees, custodian bank fees, and some professional service fees, and an allocated share of other expenses. The Short-Term Fixed Income Pool's expenses for the year, divided by the average net assets, are as follows:

Expense Ratios (in basis points)	
Investment advisor fees	5.0
Trustee fees	0.0*
Custodian bank fees	0.7
Management fees	2.9
Fiduciary bond fees	0.0*
Professional service fees	0.6
Total	9.2

* Expense Ratio rounds to less than 0.1 basis points.

FIXED INCOME POOL

OBJECTIVES

The main objectives for the Fixed Income Pool are to generate investment income, provide stability, and enhance diversification, but not at the expense of total return. Separate investment pools have been established for particular investment styles. Individually, these pools are the Total Return Fixed Income Pool and the Core Fixed Income Pool. The Strategic Allocation for the total Fixed Income Pool, the Neutral Target for the respective allocations to the Core Fixed Income and Total Return Fixed Income Pools, as well as the approved Allocation Ranges within which the Allocation Committee can operate, are outlined below:

Investment Pools	Strategic Allocation	Allocation Range
Core Fixed Income Pool	--	--
Total Return Fixed Income Pool	--	--
Total Fixed Income Pools	20.0%	+/- 5% (15% to 25%)

Note: Each Participant Plan has its own unique Strategic Allocation. The above example is for clarification purposes only.

Participant Plans	Neutral Target	Allocation Range
All plans	50% Total Return Income Pool 50% Core Fixed Income Pool	+/- 20% (30% to 70%) +/- 20% (30% to 70%)

MANAGEMENT STRUCTURE

The fixed income pools are managed by the following firms, in accordance with a particular investment style.

Manager	Style
Total Return Fixed Income Pool	
Western Asset Management Company Dodge & Cox Franklin Templeton Investments	Core Plus Fixed Income Core Plus Fixed Income Emerging Markets Fixed Income
Core Fixed Income Pool	
JPMorgan Investment Advisors, Inc.	Core Fixed Income

INVESTMENT SECTION
Investment Pool Objectives, Financial Highlights, and Performance

FIXED INCOME POOL
(Continued)

FINANCIAL HIGHLIGHTS (in \$000s)

Audited financial statements are prepared for each of the fixed income pools and are available at WVIMB.org. Financial Highlights for each pool are presented below.

Condensed Statement of Assets and Liabilities	Total Return Fixed Income	Core Fixed Income
Investments	\$ 2,405,851	\$ 1,091,596
Payable upon return of securities loaned	(22,132)	(21,731)
Cash	11,174	-
Receivable for investments sold	588	1,300
Payable for investments purchased	(9,106)	(5,520)
Other assets and liabilities	7,244	2,336
Net assets - June 30, 2015	\$ 2,393,619	\$ 1,067,981

Investments	Total Return Fixed Income		Core Fixed Income	
	Fair Value	Percentage of Securities	Fair Value	Percentage of Securities
Corporate asset backed issues	\$ 137,924	5.7%	\$ 76,563	7.0%
Corporate CMO	109,508	4.6	89,015	8.2
Corporate preferred security	10,428	0.4	-	0.0
Foreign asset backed issues	20,849	0.9	2,786	0.3
Foreign corporate bonds	285,960	11.9	46,346	4.2
Foreign currency forward contracts	2,383	0.1	-	0.0
Foreign government bonds	212,324	8.8	7,800	0.7
Futures contracts	2,533	0.1	-	0.0
Investments in other funds	356,277	14.8	-	0.0
Investments made with cash collateral for securities loaned	22,132	0.9	21,731	2.0
Municipal bonds	51,734	2.2	8,646	0.8
Option contracts purchased	1,114	0.0	-	0.0
Option contracts written	(1,244)	(0.1)	-	0.0
Short-term issues	102,153	4.2	41,293	3.8
Swaps	531	0.0	-	0.0
U.S. corporate bonds	578,249	24.2	222,273	20.3
U.S. government agency bonds	2,566	0.1	21,730	2.0
U.S. government agency CMO	84,611	3.5	161,784	14.8
U.S. government agency MBS	293,805	12.2	188,831	17.3
U.S. Treasury issues	132,014	5.5	202,798	18.6
Total	\$ 2,405,851	100.0%	\$ 1,091,596	100.0%

Progression of Net Assets	Total Return Fixed Income	Core Fixed Income
Net assets - June 30, 2014	\$ 2,305,171	\$ 1,031,123
Net increase from operations	12,681	28,037
Income distributions to unitholders	(80,915)	(33,972)
Net increase from unit transactions	156,682	42,793
Net assets - June 30, 2015	\$ 2,393,619	\$ 1,067,981

FIXED INCOME POOL
(Continued)

INVESTMENT PERFORMANCE

The IMB calculates total rates of return using the time-weighted rate of return methodology. The time-weighted method determines the rate of return exclusive of the effects of participant contributions or withdrawals. Actual rates of return are net of investment advisor fees.

Period	Total Return Fixed Income		Core Fixed Income	
	Actual	Barclays Capital Universal*	Actual	Barclays Capital U.S. Aggregate
One-year	0.6%	1.6%	2.8%	1.9%
Three-year	3.6%	2.3%	2.6%	1.8%
Five-year	4.5%	3.8%	4.2%	3.4%
Ten-year	5.1%	4.8%	N/A	N/A

**Prior to April 2008, the Total Return Fixed Income Pool index was a custom index.*

Total Return Fixed Income		
Ten Largest Holdings	Fair Value	
Western Asset Opportunistic Structured Securities Portfolio, LLC	\$ 94,383	
Western Asset Emerging Markets Corporate Credit Portfolio, LLC	47,137	
Western Asset Mortgage Backed Securities Portfolio, LLC	45,040	
Western Asset US Enhanced Cash, LLC	40,872	
United States Treasury Bond, 0.38%, 1/15/2016	34,048	
Western Asset Opportunistic Asian Securities Portfolio, LLC	33,995	
Western Asset Floating Rate High Income Fund, LLC	33,014	
Western Asset Opportunistic Non-Dollar Hedged Portfolio, LLC	31,467	
Mexicano Bonos Desarrollo Fixed Rate, 6.5%, 6/9/2022	25,599	
Federal National Mortgage Association Note, 0.79%, 12/25/2043	24,606	

Core Fixed Income		
Ten Largest Holdings	Fair Value	
US Treasury STRIP, Zero Coupon, 2/15/2017	\$ 12,354	
US Treasury Note, 8.88%, 8/15/2017	10,974	
US Treasury STRIP, Zero Coupon, 8/15/2020	9,635	
RFCSO Strip Principal, Zero Coupon, 7/15/2020	9,585	
US Treasury STRIP, Zero Coupon, 5/15/2020	7,550	
US Treasury STRIP, Zero Coupon, 11/15/2017	7,239	
US Treasury Note, 3.125%, 4/30/2017	7,025	
US Treasury Note, 4.625%, 2/15/2017	6,930	
US Treasury Note, 1.75%, 5/15/2023	6,481	
US Treasury STRIP, Zero Coupon, 2/15/2017	6,066	

A complete listing of the investments in each pool is available at www.wvimb.org.

FIXED INCOME POOL
(Continued)

EXPENSES

The IMB charges each investment pool for its direct investment-related expenses, such as investment advisor fees, custodian bank fees, and some professional service fees, and an allocated share of other expenses. The Fixed Income Pools' expenses for the operating period, divided by the average net assets, are as follows:

Expense Ratios (in basis points)	Total Return Fixed Income	Core Fixed Income
Investment advisor fees	21.9	15.0
Trustee fees	0.0*	0.0*
Custodian bank fees	0.7	0.7
Management fees	2.6	2.6
Fiduciary bond fees	0.0*	0.0*
Professional service fees	0.5	0.5
Total	25.7	18.8

* Expense Ratio rounds to less than 0.1 basis points.

TIPS POOL

OBJECTIVES

The objectives for the TIPS Pool are to enhance diversification, mitigate the risk of inflation, generate investment income, and to provide a relatively stable investment.

MANAGEMENT STRUCTURE

The TIPS Pool is managed by State Street Global Advisors.

FINANCIAL HIGHLIGHTS (in \$000s)

Audited financial statements for the TIPS Pool are available at www.wvimb.org. Financial Highlights are presented below.

Condensed Statement of Assets and Liabilities

Investments	\$ 428,002
Receivable for investments sold	2,806
Payable for investments purchased	(2,881)
Other assets and liabilities	1,606
Net assets - June 30, 2015	\$ 429,533

Investments

	Fair Value	Percent of Securities
U.S. Treasury inflation protected issues	\$ 427,774	100.0%
Short-term issues	228	0.0
Total	\$ 428,002	100.0%

Progression of Net Assets

Net assets - June 30, 2014	\$ 604,472
Net decrease from operations	(8,611)
Net decrease from unit transactions	(166,328)
Net assets - June 30, 2015	\$ 429,533

INVESTMENT PERFORMANCE

The IMB calculates total rates of return using the time-weighted rate of return methodology. The time-weighted method determines the rate of return exclusive of the effects of participant contributions or withdrawals. Actual rates of return are net of investment advisor fees.

Period	Actual	Barclays Capital U.S. TIPS
One-year	(1.8%)	(1.7%)
Three-year	(0.8%)	(0.8%)

INVESTMENT SECTION
Investment Pool Objectives, Financial Highlights, and Performance

**TIPS POOL
(Continued)**

INVESTMENT PERFORMANCE (Continued)

Ten Largest Holdings	Fair Value
US Treasury Inflation Protected Security, 0.125%, 4/15/2018	\$ 23,246
US Treasury Inflation Protected Security, 0.125%, 4/15/2019	22,973
US Treasury Inflation Protected Security, 0.125%, 4/15/2017	20,867
US Treasury Inflation Protected Security, 0.625%, 1/15/2024	19,024
US Treasury Inflation Protected Security, 0.375%, 7/15/2023	18,813
US Treasury Inflation Protected Security, 0.125%, 7/15/2022	18,656
US Treasury Inflation Protected Security, 0.125%, 1/15/2023	18,566
US Treasury Inflation Protected Security, 0.125%, 1/15/2022	18,077
US Treasury Inflation Protected Security, 0.25%, 1/15/2025	18,076
US Treasury Inflation Protected Security, 0.125%, 7/15/2024	17,925

A complete listing of the investments in each pool is available at www.wvimb.org.

EXPENSES

The IMB charges each investment pool for its direct investment-related expenses, such as investment advisor fees, custodian bank fees, and some professional service fees, and an allocated share of other expenses. The TIPS Pool's expenses for the operating period, divided by the average net assets, are as follows:

Expense Ratios (in basis points)	
Investment advisor fees	2.3
Trustee fees	0.0*
Custodian bank fees	0.4
Management fees	2.6
Fiduciary bond fees	0.0*
Professional service fees	0.5
Total	5.8

* Expense Ratio rounds to less than 0.1 basis points.

SPECIAL PURPOSE POOL

OBJECTIVES

The Board operates one special purpose pool: **TRS ANNUITY POOL**

HISTORY

The Pool held an investment contract issued by the Variable Annuity Life Insurance Company (VALIC) strictly for the benefit of the Teachers' Retirement System (TRS). On December 10, 2008, the IMB assumed responsibility for this investment as part of the restructuring of the Teachers' Defined Contribution (TDC) plan, a separate retirement plan administered solely by the Consolidated Public Retirement System, whereby certain TDC participants elected to transfer the ownership of their individual TDC retirement accounts to the TRS in exchange for current participation in the TRS defined benefit plan. The final amount transferred under the contract was \$248,293.

The IMB initially requested the immediate redemption of the entire balance but VALIC denied the request, claiming the amounts were subject to withdrawal restrictions. Effective April 23, 2009, the IMB, while reserving its rights under the contract, executed the appropriate forms with VALIC to elect to withdraw funds under the Five Year Equal Annual Installment method. By making this election the guaranteed minimum annual yield of 4.5 percent became the fixed rate for this contract. The first four withdrawals of \$55,058 each occurred on May 4, 2009, 2010, 2011 and 2012. The final withdraw of \$55,191 occurred on May 8, 2013. On that date, all remaining income, net of all management fees, was distributed to TRS and all units of ownership in the Pool were redeemed.

In response to VALIC's denial to allow the IMB to liquidate the contract in its entirety, the IMB sued VALIC and the litigation is ongoing. The outcome of the litigation is unknown and accordingly the IMB has not accrued any potential revenues from the case. There are ongoing legal fees associated with this litigation and these expenses are accrued to the Pool. The funding for the payment of these expenses results from contributions by the TRS into the TRS Annuity Pool. No other management fees are charged to the Pool and none have been charged since the final withdrawal on May 8, 2013. Amounts recovered pursuant to the litigation, if any, will be recorded in the TRS Annuity Pool and distributed to the TRS. Once the case is resolved the TRS Annuity Pool will be closed.

FINANCIAL HIGHLIGHTS (in \$000s)

Audited financial statements for the TRSA are available at WVIMB.org. Financial Highlights are presented below.

Condensed Statement of Assets and Liabilities

Assets	\$	-
Accrued expenses		(96)
Net assets - June 30, 2015	<u><u>\$</u></u>	<u><u>(96)</u></u>

Progression of Net Assets

Net assets - June 30, 2014	\$	(17)
Net decrease from operations		(168)
Net increase from capital transactions		89
Net assets - June 30, 2015	<u><u>\$</u></u>	<u><u>(96)</u></u>

PRIVATE EQUITY POOL

OBJECTIVES

The main objective for the Private Equity Pool is to provide diversification and risk reduction benefits for its participants' assets. Secondarily, the Private Equity Pool should provide for long-term growth of its participants' assets.

The Private Equity Pool is comprised of the following categories and target range allocations as of June 30, 2015:

Category	Target Range
Corporate Finance	90-100%
Venture Capital	0-10%
U.S.	80-100%
Non-U.S.	0-20%

MANAGEMENT STRUCTURE

The selection of investments in the Private Equity Pool is made by the Pool's subcommittee which includes the Executive Director/Chief Investment Officer, the Chief Financial Officer/Chief Operating Officer, the Senior Investment Officer, and two members selected from the Board. Investment recommendations are jointly made by the Private and Public Equity Investment Officer and Franklin Park Associates, LLC, the investment consultant to the subcommittee.

FINANCIAL HIGHLIGHTS (in \$000s)

Audited financial statements for the Private Equity Pool are available at WVIMB.org. Financial Highlights are presented below.

Condensed Statement of Assets and Liabilities

Investments	\$ 1,404,176
Receivable for partnership distributions	588
Cash	(588)
Other assets and liabilities	(175)
Net assets - June 30, 2015	<u>\$ 1,404,001</u>

Investments

	Fair Value	Percent of Securities
Hedge fund	\$ 350,711	25.0%
Investment in other fund	31,813	2.3
Private equity partnerships	964,895	68.7
Short-term issue	56,757	4.0
Total	<u>\$ 1,404,176</u>	<u>100.0%</u>

PRIVATE EQUITY POOL
(Continued)

FINANCIAL HIGHLIGHTS (continued in \$000s)

Progression of Net Assets

Net assets - June 30, 2014	\$ 1,355,058
Net increase from operations	184,528
Net decrease from unit transactions	(135,585)
Net assets - June 30, 2015	<u><u>\$ 1,404,001</u></u>

INVESTMENT PERFORMANCE

The IMB calculates total rates of return using the time-weighted rate of return methodology. The time-weighted method determines the rate of return exclusive of the effects of participant contributions or withdrawals. Actual rates of return are net of external investment management and/or partnership fees and expenses.

Period	Actual	Russell 3000 plus 300 basis points*
One-year	14.5%	N/A
Three-year	14.2%	N/A
Five-year	15.0%	21.7%

**Prior to January 2014, the Private Equity Pool index was the S&P 500 plus 500 basis points.*

Ten Largest Holdings	Fair Value
Bridgewater All Weather Portfolio II, LTD	\$ 350,711
Castlelake II, L.P.	53,802
Advent International GPE VI-A, LP	50,395
Welsh, Carson, Anderson & Stowe XI, LP	43,579
Insight Equity II, L.P.	40,927
TA XI, L.P.	39,920
NGP Natural Resources X, L.P.	38,022
Clearlake Capital III, L.P.	37,761
Carlyle Partners V, LP	36,966
Franklin Park Venture Fund Series 2009, L.P.	36,127

EXPENSES

The IMB charges each investment pool for its direct investment-related expenses, such as investment advisor fees, custodian bank fees, and some professional service fees, and an allocated share of other expenses. The Private Equity Pool's expenses for the year, divided by the average net assets, are as follows:

Expense Ratio (in basis points)

Investment advisor fees	0.2
Trustee fees	0.0*
Custodian bank fees	0.0*
Management fees	2.6
Fiduciary bond fees	0.0*
External fees/Fund closing costs	1.0
Professional service fees	6.4
Total	10.2

* Expense Ratio rounds to less than 0.1 basis points.

REAL ESTATE POOL

OBJECTIVES

The main objective for the Real Estate Pool is to provide diversification and risk reduction benefits for its participants' assets. Secondarily, the Real Estate Pool should provide for long-term growth of its participants' assets.

The Real Estate Pool is comprised of three categories. The target range allocations as of June 30, 2014, are as follows:

Category	Target	Target Range
Core	50%	+/- 20% (30% to 70%)
Value-Added	30%	+/- 20% (10% to 50%)
Opportunistic	20%	+/- 10% (10% to 30%)

MANAGEMENT STRUCTURE

The selection of investments in the Real Estate Pool is made by the Pool's subcommittee which includes the Executive Director/Chief Investment Officer, the Chief Financial Officer/Chief Operating Officer, Private and Public Equity Investment Officer, and two members selected from the Board. Investment recommendations are jointly made by the Fixed Income and Real Estate Investment Officer and Courtland Partners, Ltd, the investment consultant to the subcommittee. The public real estate investments are managed by the following firms, in accordance with a particular investment style.

Manager	Style
CBRE Clarion Securities, LLC	Global Real Estate Investment Securities
Security Capital Research & Management Inc.	U.S. Debt and Equity Real Estate Securities

FINANCIAL HIGHLIGHTS (in \$000s)

Audited financial statements for the Real Estate Pool are available at WVIMB.org. Financial Highlights are presented below.

Condensed Statement of Assets and Liabilities	
Investments	\$ 1,498,444
Payable upon return of securities loaned	(10,556)
Receivable for investments sold	996
Payable for investments purchased	(373)
Foreign currency contracts	(1)
Other assets and liabilities	1,037
Net assets - June 30, 2015	\$ 1,489,547

INVESTMENT SECTION
Investment Pool Objectives, Financial Highlights, and Performance

REAL ESTATE POOL
(Continued)

FINANCIAL HIGHLIGHTS (continued in \$000s)

Investments	Fair Value	Percent of Securities
Corporate bonds	\$ 48,929	3.3%
Equity securities	234,984	15.7
Investments made with cash collateral for securities loaned	10,556	0.7
Private real estate partnerships and funds	1,166,391	77.8
Short-term issues	37,584	2.5
Total	\$ 1,498,444	100.0%

Progression of Net Assets

Net assets - June 30, 2014	\$ 1,275,023
Net increase from operations	145,358
Net increase from unit transactions	69,166
Net assets - June 30, 2015	\$ 1,489,547

INVESTMENT PERFORMANCE

The IMB calculates total rates of return using the time-weighted rate of return methodology. The time-weighted method determines the rate of return exclusive of the effects of participant contributions or withdrawals. Actual rates of return are net of external investment management and/or partnership fees and expenses.

Period	Actual	NCREIF plus 100 basis points
One-year	10.7%	N/A
Three-year	10.7%	N/A
Five-year	10.7%	13.8%

**Equity Investments Including
Partnerships and Funds**

Ten Largest Holdings	Fair Value
RREEF America REIT II, Inc.	\$ 181,246
Invesco Core Real Estate - U.S.A., LP	171,446
UBS Trumbull Property Fund	128,254
UBS Trumbull Property Income Fund	90,483
Harrison Street Core Property Fund, LP	61,273
Kennedy Wilson Real Estate Fund IV, LP	49,366
Madison International Real Estate Liquidity Fund V, LP	43,193
AG Core Plus Realty Fund III, LP	38,888
PCCP First Mortgage II, LP	36,923
ABR Chesapeake Investors IV, LP	35,761

REAL ESTATE POOL
(Continued)

INVESTMENT PERFORMANCE (Continued)

Debt Investments	
Ten Largest Holdings	Fair Value
Commonwealth, 6.25%, 8/15/2016	\$ 7,628
Health Care REIT Inc., 6.2%, 6/1/2016	7,242
Commonwealth, 6.25%, 6/15/2017	5,275
Reckson Operating Partnership, 6.0%, 3/31/2016	4,983
Government Properties Inc., 3.75%, 8/15/2019	3,600
Mid-America Apartments LP, 6.05%, 9/1/2016	3,077
Brandywine Operation Partners, 5.7%, 5/1/2017	2,673
HCP Inc., 6.0%, 1/30/2017	2,105
SL Green Realty Corp, 7.75%, 3/15/2020	1,812
Highwoods Realty LP, 7.5%, 4/15/2018	1,672

A complete listing of the investments in each pool is available at www.wvimb.org.

EXPENSES

The IMB charges each investment pool for its direct investment-related expenses, such as investment advisor fees, custodian bank fees, and some professional service fees, and an allocated share of other expenses. The Real Estate Pool's expenses for the year, divided by the average net assets, are as follows:

Expense Ratio (in basis points)	
Investment advisor fees	16.8
Trustee fees	0.0*
Custodian bank fees	0.6
Management fees	2.6
Fiduciary bond fees	0.0*
External fees/Fund closing costs	20.3
Professional service fees	3.9
Total	44.2

* Expense Ratio rounds to less than 0.1 basis points.

HEDGE FUND POOL

OBJECTIVES

The main objective for the Hedge Fund Pool is to provide diversification and risk reduction benefits for its participants' assets. Secondarily, the Hedge Fund Pool should provide for long-term growth of its participants' assets.

The Hedge Funds are comprised of the following strategic categories and target range allocations as of June 30, 2015:

Category	Target Range	Allocation Range
Core		
Relative Value	30-40%	25-55%
Event Driven	15-25%	10-40%
Long-Short Equity	20-30%	15-45%
Directional	10-20%	5-25%
Supplemental		
Long Biased	0-10%	0-15%
Private Equity	0-3%	0-5%
Private Credit	0-3%	0-5%
Real Assets	0-3%	0-5%

MANAGEMENT STRUCTURE

The selection of investments in the Hedge Fund Pool is made by the Pool's subcommittee which includes the Executive Director/Chief Investment Officer, the Chief Financial Officer/Chief Operating Officer, the Fixed Income and Real Estate Investment Officer, and two members selected from the Board. Investment recommendations are jointly made by the Senior Investment Officer and Albourne America, LLC, the investment consultant to the subcommittee.

FINANCIAL HIGHLIGHTS (in \$000s)

Audited financial statements for the Hedge Fund Pool are available at WVIMB.org. Financial Highlights are presented below.

Condensed Statement of Assets and Liabilities

Investments	\$ 1,563,142
Advance on investments in other funds	90,000
Investment funds redeemed	9,668
Other assets and liabilities	(77)
Net assets - June 30, 2015	\$ 1,662,733

Investments

	Fair Value	Percent of Securities
Hedge funds	\$ 1,548,107	99.0%
Short-term issue	15,035	1.0
Total	\$ 1,563,142	100.0%

HEDGE FUND POOL
(Continued)

FINANCIAL HIGHLIGHTS (continued in \$000s)

Progression of Net Assets

Net assets - June 30, 2014	\$ 1,564,993
Net increase from operations	90,140
Net increase from unit transactions	7,600
Net assets - June 30, 2015	<u>\$ 1,662,733</u>

INVESTMENT PERFORMANCE

The IMB calculates total rates of return using the time-weighted rate of return methodology. The time-weighted method determines the rate of return exclusive of the effects of participant contributions or withdrawals. Actual rates of return are net of external investment management and/or partnership fees and expenses.

Period	Actual	HFRI FoF plus 100 basis points*
One-year	6.0%	5.0%
Three-year	8.4%	4.7%
Five-year	6.5%	4.5%

* Prior to January 2014, the Hedge Fund index was LIBOR plus 400 basis points.

Hedge Fund	Ten Largest Holdings	Fair Value
Double Black Diamond, Ltd.		\$ 107,476
CQS Diversified Fund (SPC) Ltd. SPA II		105,046
Pine River Fund, Ltd.		102,448
Davidson Kempner International, Ltd.		88,991
HBK Multi-Strategy Offshore Fund, Ltd.		81,129
PFM Diversified Offshore Fund		79,725
Hudson Bay Internaltional Fund, Ltd.		77,797
MW Eureka Fund		76,209
Menta Global Offshore, Ltd.		74,929
Magnatar Capital Fund II, Ltd.		73,561

EXPENSES

The IMB charges each investment pool for its direct investment-related expenses, such as custodian bank fees and some professional service fees, and an allocated share of other expenses. The Hedge Fund Pool's expenses for the year, divided by the average net assets, are as follows:

Expense Ratio (in basis points)

Trustee fees	0.0*
Custodian bank fees	0.0*
Management fees	2.6
Fiduciary bond fees	0.0*
Professional service fees	3.2
Total	<u>5.8</u>

* Expense Ratio rounds to less than 0.1 basis points.

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PUBLIC EMPLOYEES' RETIREMENT SYSTEM

HISTORY

The Public Employees' Retirement System (PERS) was created in 1961.

LIQUIDITY NEEDS

PERS is expected to have modest liquidity needs of approximately 1.0 percent to 2.0 percent per year for the foreseeable future.

INVESTMENT OBJECTIVES

The investment objectives are as follows:

- Exceed the actuarial interest rate assumption of 7.5 percent per annum, net of fees.
- Reduce the unfunded liability while maintaining adequate liquidity to satisfy benefit payments and not subjecting PERS to an undue level of risk.

ASSET ALLOCATION

Based upon a determination of the appropriate risk tolerance, the Board adopted the following broad asset allocation guidelines for the assets managed for PERS. Policy and Strategic Allocations are established on a market value basis.

Asset Class	Policy Allocation	Strategic Allocation
Domestic Equity	30.0%	27.5%
International Equity	30.0%	27.5%
Private Equity	0.0%	10.0%
Fixed Income	40.0%	15.0%
Hedge Fund	0.0%	10.0%
Real Estate	0.0%	10.0%
Cash (included in Fixed Income above)	\$19,000,000*	

** IMB Staff has authority to change the cash allocation plus or minus 10 percent, as necessary, in consultation with the appropriate representative(s) from PERS.*

**PUBLIC EMPLOYEES' RETIREMENT SYSTEM
(Continued)**

FINANCIAL HIGHLIGHTS (in \$000s)

Progression of Plan Balance

June 30, 2014	\$ 5,629,812
Contributions	263,782
Withdrawals	(370,535)
Net	(106,753)
Investment income	26,943
Net appreciation	192,386
June 30, 2015	<u>\$ 5,742,388</u>

Asset Allocation

	Amount	Percent of Total
Large Cap Domestic	\$ 1,259,338	22.0%
Non-Large Cap Domestic	297,243	5.2
International Qualified	557,358	9.7
International Equity	997,735	17.4
Short-Term Fixed Income	24,855	0.4
Total Return Fixed Income*	579,040	10.1
Core Fixed Income*	248,963	4.3
Private Equity	565,518	9.8
Real Estate	598,464	10.4
Hedge Fund	613,874	10.7
Total	<u>\$ 5,742,388</u>	100.0%

* Balances include the distribution declared by the pool on the last day of the month and reinvested to the participant's account on the first day of the following month.

INVESTMENT PERFORMANCE

The IMB calculates total rates of return using the time-weighted rate of return methodology. The time-weighted method determines the rate of return exclusive of the effects of participant contributions or withdrawals. Actual rates of return are net of fees.

Period	Actual	Target
One-year	3.9%	7.5%
Three-year	11.5%	7.5%
Five-year	11.1%	7.5%
Ten-year	7.1%	7.5%

TEACHERS' RETIREMENT SYSTEM

HISTORY

The Teachers' Retirement System (TRS) was created in 1941. It was closed to new members in 1991, but reopened to first-time hires as of July 1, 2005. Employees hired from 1991 through June 30, 2005, joined the Teachers' Defined Contribution Plan (TDC). In the spring of 2008, more than 78 percent of the participants in the Teachers' Defined Contribution Plan elected to transfer their TDC account balance to TRS and become participants in TRS. This transfer occurred in July 2008.

TRS LIQUIDITY NEEDS

TRS has a net negative cash flow position, and will likely continue to have substantial liquidity needs of at least 10 percent per year.

TRS INVESTMENT OBJECTIVES

The investment objectives are as follows:

- Exceed the actuarial interest rate assumption of 7.5 percent per annum, net of fees.
- Reduce the unfunded liability while maintaining adequate liquidity to satisfy benefit payments and not subjecting TRS to an undue level of risk.

TRS ASSET ALLOCATION

Based upon a determination of the appropriate risk tolerance, the Board adopted the following broad asset allocation guidelines for the assets managed for TRS. Policy and Strategic Allocations are established on a market value basis.

Asset Class	Policy Allocation	Strategic Allocation
Domestic Equity	30.0%	27.5%
International Equity	30.0%	27.5%
Private Equity	0.0%	10.0%
Fixed Income	40.0%	15.0%
Hedge Fund	0.0%	10.0%
Real Estate	0.0%	10.0%
Cash (included in Fixed Income above)	\$35,000,000*	

** IMB Staff has authority to change the cash allocation plus or minus 10 percent, as necessary, in consultation with the appropriate representative(s) from TRS.*

**TEACHERS' RETIREMENT SYSTEM
(Continued)**

FINANCIAL HIGHLIGHTS (in \$000s)

**Progression of Plan
Balance**

June 30, 2014	\$ 6,655,376
Contributions	533,501
Withdrawals	<u>(691,404)</u>
Net	(157,903)
Investment income	31,003
Net appreciation	224,642
June 30, 2015	<u>\$ 6,753,118</u>

Asset Allocation	Amount	Percent of Total
Large Cap Domestic	\$ 1,452,924	21.6%
Non-Large Cap Domestic	346,188	5.1
International Qualified	644,694	9.5
International Equity	1,173,026	17.4
Short-Term Fixed Income	117,825	1.7
Total Return Fixed Income*	659,042	9.8
Core Fixed Income*	286,618	4.2
TRS Annuity	(96)	0.0
Private Equity	654,960	9.7
Real Estate	705,093	10.4
Hedge Fund	712,844	10.6
Total	<u>\$ 6,753,118</u>	100.0%

* Balances include the distribution declared by the pool on the last day of the month and reinvested to the participant's account on the first day of the following month.

INVESTMENT PERFORMANCE

The IMB calculates total rates of return using the time-weighted rate of return methodology. The time-weighted method determines the rate of return exclusive of the effects of participant contributions or withdrawals. Actual rates of return are net of fees.

Period	Actual	Target
One-year	4.0%	7.5%
Three-year	11.5%	7.5%
Five-year	11.0%	7.5%
Ten-year	6.8%	7.5%

STATE POLICE DEATH, DISABILITY AND RETIREMENT FUND

HISTORY

The State Police Death, Disability and Retirement Fund (SPDDRF) was created in 1925.

LIQUIDITY NEEDS

SPDDRF is now a closed plan and is expected to experience an increasingly negative cash flow position in the near future.

INVESTMENT OBJECTIVES

The investment objectives are as follows:

- Exceed the actuarial interest rate assumption of 7.5 percent per annum, net of fees.
- Reduce the unfunded liability while maintaining adequate liquidity to satisfy benefit payments and not subjecting SPDDRF to an undue level of risk.

ASSET ALLOCATION

Based upon a determination of the appropriate risk tolerance, the Board adopted the following broad asset allocation guidelines for the assets managed for SPDDRF. Policy and Strategic Allocations are established on a market value basis.

Asset Class	Policy Allocation	Strategic Allocation
Domestic Equity	30.0%	27.5%
International Equity	30.0%	27.5%
Private Equity	0.0%	10.0%
Fixed Income	40.0%	15.0%
Hedge Fund	0.0%	10.0%
Real Estate	0.0%	10.0%
Cash (included in Fixed Income above)	\$3,500,000*	

* IMB Staff has authority to change the cash allocation plus or minus 10 percent, as necessary, in consultation with the appropriate representative(s) from SPDDRF.

**STATE POLICE DEATH, DISABILITY AND RETIREMENT FUND
(Continued)**

FINANCIAL HIGHLIGHTS (in \$000s)

Progression of Plan Balance

June 30, 2014	\$ 601,077
Contributions	23,964
Withdrawals	<u>(40,569)</u>
Net	(16,605)
Investment income	2,781
Net appreciation	<u>20,086</u>
June 30, 2015	<u>\$ 607,339</u>

Asset Allocation	Amount	Percent of Total
Large Cap Domestic	\$ 129,216	21.2%
Non-Large Cap Domestic	30,875	5.1
International Qualified	58,014	9.6
International Equity	101,871	16.8
Short-Term Fixed Income	21,482	3.5
Total Return Fixed Income*	58,776	9.7
Core Fixed Income*	25,425	4.2
Private Equity	59,689	9.8
Real Estate	61,147	10.1
Hedge Fund	60,844	10.0
Total	<u>\$ 607,339</u>	100.0%

* Balances include the distribution declared by the pool on the last day of the month and reinvested to the participant's account on the first day of the following month.

INVESTMENT PERFORMANCE

The IMB calculates total rates of return using the time-weighted rate of return methodology. The time-weighted method determines the rate of return exclusive of the effects of participant contributions or withdrawals. Actual rates of return are net of fees.

Period	Actual	Target
One-year	4.0%	7.5%
Three-year	11.5%	7.5%
Five-year	11.1%	7.5%
Ten-year	7.1%	7.5%

STATE POLICE RETIREMENT SYSTEM

HISTORY

The State Police Retirement System (SPRS) was created in 1994.

LIQUIDITY NEEDS

SPRS is expected to be in a positive net cash flow position for the foreseeable future.

INVESTMENT OBJECTIVES

The investment objectives are as follows:

- Exceed the actuarial interest rate assumption of 7.5 percent per annum, net of fees.
- Reduce the unfunded liability while maintaining adequate liquidity to satisfy benefit payments and not subjecting SPRS to an undue level of risk.

ASSET ALLOCATION

Based upon a determination of the appropriate risk tolerance, the Board adopted the following broad asset allocation guidelines for the assets managed for SPRS. Policy and Strategic Allocations are established on a market value basis.

Asset Class	Policy Allocation	Strategic Allocation
Domestic Equity	30.0%	27.5%
International Equity	30.0%	27.5%
Private Equity	0.0%	10.0%
Fixed Income	40.0%	15.0%
Hedge Fund	0.0%	10.0%
Real Estate	0.0%	10.0%
Cash (included in Fixed Income above)	\$75,000*	

** IMB Staff has authority to change the cash allocation plus or minus 10 percent, as necessary, in consultation with the appropriate representative(s) from SPRS.*

STATE POLICE RETIREMENT SYSTEM
(Continued)

FINANCIAL HIGHLIGHTS (in \$000s)

Progression of Plan Balance

June 30, 2014	\$ 120,572
Contributions	7,010
Withdrawals	(599)
Net	6,411
Investment income	605
Net appreciation	4,366
June 30, 2015	\$ 131,954

Asset Allocation	Amount	Percent of Total
Large Cap Domestic	\$ 28,066	21.4%
Non-Large Cap Domestic	6,741	5.1
International Qualified	12,278	9.3
International Equity	23,394	17.7
Short-Term Fixed Income	2,009	1.5
Total Return Fixed Income*	13,476	10.2
Core Fixed Income*	5,815	4.4
Private Equity	13,387	10.1
Real Estate	13,449	10.2
Hedge Fund	13,339	10.1
Total	\$ 131,954	100.0%

* Balances include the distribution declared by the pool on the last day of the month and reinvested to the participant's account on the first day of the following month.

INVESTMENT PERFORMANCE

The IMB calculates total rates of return using the time-weighted rate of return methodology. The time-weighted method determines the rate of return exclusive of the effects of participant contributions or withdrawals. Actual rates of return are net of fees.

Period	Actual	Target
One-year	4.0%	7.5%
Three-year	11.5%	7.5%
Five-year	11.0%	7.5%
Ten-year	7.1%	7.5%

DEPUTY SHERIFF'S RETIREMENT SYSTEM

HISTORY

The Deputy Sheriff's Retirement System (DSRS) was created in 1998.

LIQUIDITY NEEDS

DSRS currently has positive net cash flows.

INVESTMENT OBJECTIVES

The investment objectives are as follows:

- Exceed the actuarial interest rate assumption of 7.5 percent per annum, net of fees.
- Preserve the current well-funded position while not subjecting DSRS to an undue level of risk.

ASSET ALLOCATION

Based upon a determination of the appropriate risk tolerance, the Board adopted the following broad asset allocation guidelines for the assets managed for DSRS. Policy and Strategic Allocations are established on a market value basis.

Asset Class	Policy Allocation	Strategic Allocation
Domestic Equity	30.0%	27.5%
International Equity	30.0%	27.5%
Private Equity	0.0%	10.0%
Fixed Income	40.0%	15.0%
Hedge Fund	0.0%	10.0%
Real Estate	0.0%	10.0%
Cash (included in Fixed Income above)	\$250,000*	

** IMB Staff has authority to change the cash allocation plus or minus 10 percent, as necessary, in consultation with the appropriate representative(s) from DSRS.*

DEPUTY SHERIFF'S RETIREMENT SYSTEM
(Continued)

FINANCIAL HIGHLIGHTS (in \$000s)

Progression of Plan Balance

June 30, 2014	\$ 161,491
Contributions	8,652
Withdrawals	(6,425)
Net	2,227
Investment income	793
Net appreciation	5,670
June 30, 2015	<u><u>\$ 170,181</u></u>

Asset Allocation	Amount	Percent of Total
Large Cap Domestic	\$ 37,166	21.7%
Non-Large Cap Domestic	8,826	5.2
International Qualified	16,048	9.4
International Equity	30,629	18.0
Short-Term Fixed Income	625	0.4
Total Return Fixed Income*	17,112	10.1
Core Fixed Income*	7,403	4.4
Private Equity	17,353	10.2
Real Estate	17,551	10.3
Hedge Fund	17,468	10.3
Total	<u><u>\$ 170,181</u></u>	100.0%

* Balances include the distribution declared by the pool on the last day of the month and reinvested to the participant's account on the first day of the following month.

INVESTMENT PERFORMANCE

The IMB calculates total rates of return using the time-weighted rate of return methodology. The time-weighted method determines the rate of return exclusive of the effects of participant contributions or withdrawals. Actual rates of return are net of fees.

Period	Actual	Target
One-year	4.0%	7.5%
Three-year	11.5%	7.5%
Five-year	11.1%	7.5%
Ten-year	7.1%	7.5%

JUDGES' RETIREMENT SYSTEM

HISTORY

The Judges' Retirement System (JRS) was created in 1949.

LIQUIDITY NEEDS

JRS currently has slightly negative net cash flows.

INVESTMENT OBJECTIVES

The investment objectives are as follows:

- Exceed the actuarial interest rate assumption of 7.5 percent per annum, net of fees.
- Maintain adequate liquidity to satisfy benefit payments and not subjecting JRS to an undue level of risk.

ASSET ALLOCATION

Based upon a determination of the appropriate risk tolerance, the Board adopted the following broad asset allocation guidelines for the assets managed for JRS. Policy and Strategic Allocations are established on a market value basis.

Asset Class	Policy Allocation	Strategic Allocation
Domestic Equity	30.0%	27.5%
International Equity	30.0%	27.5%
Private Equity	0.0%	10.0%
Fixed Income	40.0%	15.0%
Hedge Fund	0.0%	10.0%
Real Estate	0.0%	10.0%
Cash (included in Fixed Income above)	\$500,000*	

** IMB Staff has authority to change the cash allocation plus or minus 10 percent, as necessary, in consultation with the appropriate representative(s) from JRS.*

JUDGES' RETIREMENT SYSTEM
(Continued)

FINANCIAL HIGHLIGHTS (in \$000s)

Progression of Plan Balance

June 30, 2014	\$ 165,239
Contributions	2,404
Withdrawals	<u>(3,440)</u>
Net	(1,036)
Investment income	802
Net appreciation	<u>5,722</u>
June 30, 2015	<u>\$ 170,727</u>

Asset Allocation

Asset Allocation	Amount	Percent of Total
Large Cap Domestic	\$ 37,279	21.7%
Non-Large Cap Domestic	8,868	5.2
International Qualified	16,265	9.5
International Equity	29,984	17.6
Short-Term Fixed Income	1,006	0.6
Total Return Fixed Income*	16,917	9.9
Core Fixed Income*	7,496	4.4
Private Equity	17,500	10.3
Real Estate	17,869	10.5
Hedge Fund	17,543	10.3
Total	<u>\$ 170,727</u>	100.0%

* Balances include the distribution declared by the pool on the last day of the month and reinvested to the participant's account on the first day of the following month.

INVESTMENT PERFORMANCE

The IMB calculates total rates of return using the time-weighted rate of return methodology. The time-weighted method determines the rate of return exclusive of the effects of participant contributions or withdrawals. Actual rates of return are net of fees.

Period	Actual	Target
One-year	4.0%	7.5%
Three-year	11.5%	7.5%
Five-year	11.1%	7.5%
Ten-year	7.1%	7.5%

EMERGENCY MEDICAL SERVICES RETIREMENT SYSTEM

HISTORY

The Emergency Medical Services Retirement System (EMSRS) was created by the *Emergency Medical Services Retirement System Act* effective January 1, 2008, under *West Virginia Code §16-5V-4*. EMSRS members with benefits earned in the Public Employees' Retirement System (PERS) transferred their full membership and benefits under PERS to EMSRS on the effective date.

LIQUIDITY NEEDS

EMSRS is expected to be in a positive net cash flow position for the foreseeable future.

INVESTMENT OBJECTIVES

The investment objectives are as follows:

- Exceed the actuarial interest rate assumption of 7.5 percent per annum, net of fees.
- Maintain adequate liquidity to satisfy benefit payments while not subjecting EMSRS to an undue level of risk.

ASSET ALLOCATION

Based upon a determination of the appropriate risk tolerance, the Board adopted the following broad asset allocation guidelines for the assets managed for EMSRS. Policy and Strategic Allocations are established on a market value basis.

Asset Class	Policy Allocation	Strategic Allocation
Domestic Equity	30.0%	27.5%
International Equity	30.0%	27.5%
Private Equity	0.0%	10.0%
Fixed Income	40.0%	15.0%
Hedge Fund	0.0%	10.0%
Real Estate	0.0%	10.0%
Cash (included in Fixed Income above)	\$25,000*	

* IMB Staff has authority to change the cash allocation plus or minus 10 percent, as necessary, in consultation with the appropriate representative(s) from EMSRS.

EMERGENCY MEDICAL SERVICES RETIREMENT SYSTEM
(Continued)

FINANCIAL HIGHLIGHTS (in \$000s)

Progression of Plan Balance

June 30, 2014	\$ 53,343
Contributions	4,519
Withdrawals	<u>(3,459)</u>
Net	1,060
Investment income	258
Net appreciation	1,886
June 30, 2015	<u>\$ 56,547</u>

Asset Allocation	Amount	Percent of Total
Large Cap Domestic	\$ 12,293	21.7%
Non-Large Cap Domestic	2,916	5.2
International Qualified	5,289	9.4
International Equity	10,115	17.9
Short-Term Fixed Income	517	0.9
Total Return Fixed Income*	5,609	9.9
Core Fixed Income*	2,436	4.3
Private Equity	5,905	10.4
Real Estate	5,830	10.3
Hedge Fund	5,637	10.0
Total	<u>\$ 56,547</u>	<u>100.0%</u>

* Balances include the distribution declared by the pool on the last day of the month and reinvested to the participant's account on the first day of the following month.

INVESTMENT PERFORMANCE

The IMB calculates total rates of return using the time-weighted rate of return methodology. The time-weighted method determines the rate of return exclusive of the effects of participant contributions or withdrawals. Actual rates of return are net of fees.

Period	Actual	Target
One-year	4.0%	7.5%
Three-year	11.5%	7.5%
Five-year	11.0%	7.5%

MUNICIPAL POLICE OFFICERS' AND FIREFIGHTERS' RETIREMENT SYSTEM

HISTORY

Municipal Police Officers' and Firefighters' Retirement System (MPFRS) was created in 2010 for the purpose of providing retirement benefits for municipal police officers and paid professional firefighters hired into covered employment by participating municipalities on or after January 1, 2010.

LIQUIDITY NEEDS

There are no anticipated liquidity needs at this time.

INVESTMENT OBJECTIVES

The investment objectives are as follows:

- Exceed the actuarial interest rate assumption of 7.5 percent per annum, net of fees.
- Maintain adequate liquidity to satisfy benefit payments while not subjecting MPFRS to an undue level of risk.

ASSET ALLOCATION

Asset Class	Policy Allocation	Strategic Allocation
Domestic Equity	30.0%	27.5%
International Equity	30.0%	27.5%
Private Equity	0.0%	10.0%
Fixed Income	40.0%	15.0%
Hedge Fund	0.0%	10.0%
Real Estate	0.0%	10.0%
Cash	\$0	

**MUNICIPAL POLICE OFFICERS' AND FIREFIGHTERS' RETIREMENT SYSTEM
(Continued)**

FINANCIAL HIGHLIGHTS (in \$000s)

Progression of Plan Balance

June 30, 2014	\$ 1,150	
Contributions	750	
Withdrawals	(22)	
Net	728	
Investment income	7	
Net appreciation	59	
June 30, 2015	\$ 1,944	

Asset Allocation	Amount	Percent of Total
Large Cap Domestic	\$ 413	21.2%
Non-Large Cap Domestic	98	5.0
International Qualified	167	8.6
International Equity	312	16.0
Short-Term Fixed Income	108	5.7
Total Return Fixed Income*	190	9.8
Core Fixed Income*	84	4.3
Private Equity	195	10.0
Real Estate	191	9.8
Hedge Fund	186	9.6
Total	\$ 1,944	100.0%

* Balances include the distribution declared by the pool on the last day of the month and reinvested to the participant's account on the first day of the following month.

INVESTMENT PERFORMANCE

The IMB calculates total rates of return using the time-weighted rate of return methodology. The time-weighted method determines the rate of return exclusive of the effects of participant contributions or withdrawals. Actual rates of return are net of fees.

Period	Actual	Target
One-year	4.0%	7.5%
Three-year	10.8%	7.5%
Five-year	7.1%	7.5%

ACTUARIAL SECTION



Monongalia County School Bus

Garlow, Little Falls

(undated)

The Actuarial Section of the comprehensive annual financial report provides information related to the actuarial valuations prepared for each of the pension plans for funding purposes. Other schedules provide information regarding the required contributions, benefits, and funded status of the plans.

Effective with the adoption of GASB 67 for the fiscal year ended June 30, 2014, each of the pension plans has an actuarial valuation prepared for funding purposes and a separate actuarial valuation prepared for financial reporting purposes. The actuarial valuations included in this section of the comprehensive annual financial report have been prepared for funding purposes and have been prepared as of July 1, 2014, the beginning of the plan year. The actuarial valuations prepared for financial reporting purposes have been prepared as of June 30, 2015, the end of the plan year, and were the source of much of the actuarial information in the Financial Section.

The actuarial methods and assumptions used to prepare the actuarial valuations for funding purposes and for financial reporting purposes are nearly identical. The primary difference is in the asset valuation method for the Public Employees Retirement System (PERS). For financial reporting purposes, the fair value of the PERS assets as of the end of the fiscal year is used. For funding purposes, a four year smoothing of the actuarial gain or loss on PERS asset returns each year is used.

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State of West Virginia Consolidated Public Retirement Board

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March 4, 2016

Actuarial Review and Certification

This Report presents the results of the annual Actuarial Valuation of the West Virginia Public Employees' Retirement System (PERS) as of July 1, 2014. The purposes of the Actuarial Valuation are to determine the actuarial liabilities for the Plan for funding purposes and to determine if the expected contributions will be sufficient to meet or exceed the Plan's long term funding policy.

The valuation indicates that the expected state contributions of 14.0% of payroll plus the member contributions of 4.5% of payroll are sufficient to meet the annual funding requirement of the plan. This report contains supporting data and background information pertaining to the development of costs and related liabilities of the Plan. The valuation is based on membership data as of June 30, 2014, maintained by the West Virginia Consolidated Public Retirement Board (CPRB), and financial information received from the West Virginia Investment Management Board.

In performing the valuation, we relied on employee data and asset information provided by the administrative staff of the CPRB. In the case of employee data, each individual record was audited for reasonableness and internal consistency, although the validity of the information was not traced to source documents. With respect to plan assets, a general review for consistency with the information furnished from prior valuations was performed.

Certain tables presented in the Comprehensive Annual Financial Report (CAFR) are derived from the most recent valuations reported by Buck Consultants. The tables were prepared by the staff of the CPRB and examined by our internal actuarial staff. These tables include-

Financial Section

- Schedule of Employer Contributions

Actuarial Section

- Summary of Actuarial Assumptions and Methods
- Schedule of Active Member Valuation Data
- Solvency Test
- Schedule of Retirees and Beneficiaries
- Schedule of Funding Progress
- Changes in Unfunded Actuarial Liability

The Actuary hereby certifies that this Actuarial Valuation Report was completed in compliance with actuarial standards applicable to the purposes of the Actuarial Valuation. The Actuary further certifies that the actuarial methods and assumptions applied in completing the Actuarial Valuation as reasonable and appropriate for the purposes stated herein.

Respectfully Submitted:

Harry W. Mandel

Harry W. Mandel
Board Actuary
Member, American Academy of Actuaries
Member Society of Pension Actuaries
Enrolled Actuary #14-2527

SUMMARY OF ACTUARIAL METHODS AND ASSUMPTIONS

Valuation Date: July 1, 2014

Funding Method and Basis for Assumptions

The valuation is prepared under the Entry Age Normal Cost Method with individually computed accrued liabilities. The Normal Cost is computed in aggregate. Entry is based on date of hire.

Experience studies are performed at least once in every five-year period. This valuation was prepared on the basis of assumptions that were recommended to and adopted by the Board on the basis of an experience study covering the period from July 1, 2004, to June 30, 2009. These assumptions will remain in effect for valuation purposes until such time as the Board adopts revised assumptions.

Interest Rate and Expenses

The valuation interest assumption is 7.50% annually, with no loading for plan expenses.

Salary Scales

Salary scales are used for the assumed increase in salary. Projected salary increases for State and Nonstate employees range from 4.25% to 6.0% per year. Assumed increases in salary for sample ages are as follows:

Salary Scales

Age	State	Nonstate
30	1.05500	1.05500
40	1.05000	1.05000
50	1.04500	1.04750
60	1.04250	1.04250

Mortality

The mortality tables are as follows:

- Healthy males: 1983 GAM male
- Healthy females: 1971 GAM female, set back 1 year
- Disabled males: 1971 GAM male, set forward 8 years
- Disabled females: Revenue Ruling 96-7 disabled female table

Withdrawal from Service

Specific tables have been created to reflect withdrawal rates. All withdrawals are assumed to result in refund of contributions if non-vested or a deferred annuity if vested. The liability for a refund of contributions for nonactive non-vested members as of the valuation date is assumed to be 60% of the total employee contribution balance of such members. Sample withdrawal rates are as follows:

Withdrawal Rates

State (less than 1 year)		
Age	Male	Female
30	0.21580	0.22100
40	0.18200	0.18200
50	0.15600	0.15600
60	0.14300	0.14300

Withdrawal Rates

State (1 to 2 years)		
Age	Male	Female
30	0.20625	0.20000
40	0.15000	0.15000
50	0.13750	0.12500
60	0.12500	0.11250

Withdrawal Rates

State (2 to 3 years)		
Age	Male	Female
30	0.18200	0.17500
40	0.13000	0.12500
50	0.08800	0.10000
60	0.06600	0.07500

Withdrawal Rates

State (3 to 4 years)		
Age	Male	Female
30	0.15600	0.14400
40	0.10400	0.09600
50	0.07800	0.08400
60	0.05200	0.06000

Withdrawal Rates

State (4 to 5 years)		
Age	Male	Female
30	0.14000	0.11250
40	0.08400	0.08750
50	0.05600	0.07188
60	0.02800	0.05000

Withdrawal Rates

State (greater than 5 years)		
Age	Male	Female
30	0.08400	0.08800
40	0.04800	0.04500
50	0.02400	0.03500
60	0.01200	0.01000

Withdrawal Rates

Nonstate (less than 1 year)		
Age	Male	Female
30	0.26400	0.25070
40	0.21600	0.21850
50	0.16800	0.17250
60	0.13200	0.13800

Withdrawal Rates

Nonstate (1 to 2 years)		
Age	Male	Female
30	0.20400	0.21850
40	0.15600	0.18975
50	0.11000	0.13000
60	0.10000	0.11000

Withdrawal Rates

Nonstate (2 to 3 years)		
Age	Male	Female
30	0.17600	0.18700
40	0.12650	0.14000
50	0.09000	0.11500
60	0.08000	0.09500

Withdrawal Rates

Nonstate (3 to 4 years)		
Age	Male	Female
30	0.15400	0.15500
40	0.10000	0.13000
50	0.08000	0.10000
60	0.06000	0.08000

Withdrawal Rates

Nonstate (4 to 5 years)		
Age	Male	Female
30	0.15000	0.15600
40	0.09000	0.10800
50	0.06600	0.08400
60	0.04200	0.06000

Withdrawal Rates

Nonstate (greater than 5 years)		
Age	Male	Female
30	0.09900	0.10000
40	0.06000	0.06500
50	0.04000	0.03500
60	0.02000	0.02000

Disablement Rates

Sample rates of disablement are as follows:

Disability Rates

State and Nonstate		
Age	Male	Female
30	0.00030	0.00060
40	0.00113	0.00113
50	0.00488	0.00225
60	0.00750	0.00750

Retirement Rates

The retirement rates are as follows:

Retirement Rates

State and Nonstate	
Age	Rates
55	0.25
56	0.15
57	0.15
58	0.15
59	0.15
60	0.15
61	0.15
62	0.30
63	0.18
64	0.18
65	0.25
66	0.20
67	0.20
68	0.20
69	0.20
70+	1.00

Family Composition

It is assumed that 85% of males and 80% of females are married, with husbands 3 years older than wives. Remarriage rates are not used.

Accrual of Future Service

It is assumed that active members will accrue one year of service for each future year of employment.

Noncontributory Service Loadings

Noncontributory service for active members is estimated from member's contributory service by adjusting the present value of benefits projected from contributory service alone. A 10.8% load is used for male State employees and a 10.0% load is used for male Nonstate employees. A 2.4% load is used for female State and Nonstate employees.

Asset Valuation Method

Four-year 25% level smoothing of actuarial gain or (loss) on trust fund return:

- Implemented over four years, prospectively commencing July 1, 2009 for the experience for the trust year ending June 30, 2009.
- Actuarial gain or (loss) on assets is calculated as the difference between the expected return under valuation assumptions based on the smoothed Actuarial Value of Assets and the actual trust fund return.
- Actuarial gain or (loss) is recognized at 25% of the original amount each year until fully recognized in the fourth year.
- Total accumulated deferred gain or (loss) amounts are used to adjust the reported Market Value of Assets to determine the actuarial Value of Assets.

Plan Contributions

Both employee and employer contributions to the plan are assumed to be paid in the middle of the year.

ACTUARIAL SECTION
Public Employees' Retirement System

Schedule of Active Member Valuation Data

Valuation Date	Number	Annual Payroll	Annual Average Pay	% Increase (Decrease) in Average Pay
6/30/2014	36,413	\$ 1,389,089,000	\$ 38,148.16	0.56007%
6/30/2013	36,637	1,389,850,000	37,935.69	0.34536%
6/30/2012	36,573	1,382,647,000	37,805.13	3.22886%
6/30/2011	36,254	1,327,717,000	36,622.63	0.16204%
6/30/2010	35,977	1,315,441,000	36,563.39	2.46763%
6/30/2009	35,717	1,274,485,000	35,682.87	3.85707%
6/30/2008	35,491	1,219,388,000	34,357.67	3.47423%
6/30/2007	35,873	1,191,130,000	33,204.08	2.18204%
6/30/2006	35,689	1,159,715,000	32,495.03	1.30770%
6/30/2005	36,230	1,162,098,000	32,075.57	1.44394%

Schedule of Funding Progress (in thousands)

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) Entry Age (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)
7/1/2014	\$ 5,208,828	\$ 6,271,827	\$ 1,062,999	83.1%	\$ 1,389,089	76.5%
7/1/2013	4,709,530	5,911,263	1,201,733	79.7%	1,389,850	86.5%
7/1/2012	4,452,395	5,735,775	1,283,380	77.6%	1,382,647	92.8%
7/1/2011	4,322,668	5,515,252	1,192,584	78.4%	1,327,717	89.8%
7/1/2010	3,974,609	5,325,830	1,351,221	74.6%	1,315,441	102.7%
7/1/2009	3,930,701	4,930,158	999,457	79.7%	1,274,485	78.4%
7/1/2008	3,939,059	4,677,027	737,968	84.2%	1,219,388	60.5%
7/1/2007	4,293,296	4,426,051	132,755	97.0%	1,191,130	11.1%
7/1/2006	3,700,186	4,264,700	564,514	86.6%	1,159,715	48.7%
7/1/2005	3,404,651	4,074,385	669,734	83.6%	1,162,098	57.6%

Solvency Test (in thousands)

Valuation Date	Aggregate Accrued Liabilities For				% of Accrued Liabilities Covered by Reported Assets			
	(1)	(2)	(3)	Active Members Employer Financed Portions	Reported Assets	(1)	(2)	(3)
		Active Member Contributions	Retirants and Beneficiaries			(1)	(2)	(3)
6/30/2014	\$ 449,533	\$ 3,299,873	\$ 2,325,221	\$ 5,208,828	100.0000%	100.0000%	62.7649%	
6/30/2013	451,604	3,137,476	2,322,182	4,709,530	100.0000%	100.0000%	48.2499%	
6/30/2012	449,893	2,949,168	2,336,714	4,452,395	100.0000%	100.0000%	45.0776%	
6/30/2011	434,454	2,792,236	2,288,562	4,322,668	100.0000%	100.0000%	47.8894%	
6/30/2010	432,007	2,893,949	2,299,874	3,974,609	100.0000%	100.0000%	41.2480%	
6/30/2009	426,936	2,338,871	2,164,351	3,930,701	100.0000%	100.0000%	53.8219%	
6/30/2008	410,799	2,189,262	2,076,966	3,939,059	100.0000%	100.0000%	64.4689%	
6/30/2007	405,476	2,050,544	1,970,031	4,293,296	100.0000%	100.0000%	93.2613%	
6/30/2006	400,973	1,906,367	1,957,360	3,700,186	100.0000%	100.0000%	71.1594%	
6/30/2005	407,811	1,703,881	1,962,993	3,404,651	100.0000%	100.0000%	65.8667%	

Note: Column 1 is calculated from table 1. Multiply the PV of future pay times the employee contribution rate.

ACTUARIAL SECTION
Public Employees' Retirement System

Schedule of Retirees and Beneficiaries Added and Removed

Retirees Added			Retirees Removed			Retirees - Year End			% Increase	Average
Fiscal Year Ended	Number	Annual Allowances	Number	Annual Allowances	Number	Annual Allowances		in Annual Allowances	Annual Allowance	
2014	1,664	\$31,294,049	(938)	\$ 9,203,018	24,931	\$ 351,455,484	2.542%	\$14,097.13		
2013	1,725	31,593,996	(980)	9,613,212	24,205	332,761,008	3.306%	13,747.61		
2012	1,581	27,609,382	(914)	7,997,833	23,460	312,198,792	3.141%	13,307.71		
2011	1,673	31,250,302	(920)	7,834,867	22,793	294,084,936	4.160%	12,902.42		
2010	1,438	25,365,630	(897)	7,382,382	22,040	273,012,324	4.017%	12,387.13		
2009	1,509	26,578,560	(922)	7,186,068	21,499	256,026,485	4.124%	11,908.76		
2008	1,356	24,449,168	(958)	7,351,692	20,912	239,172,379	4.636%	11,437.09		
2007	1,373	23,721,486	(885)	6,811,456	20,514	224,224,742	4.447%	10,930.33		
2006	1,465	25,862,169	(836)	6,123,031	20,026	209,571,080	7.047%	10,464.95		
2005	1,384	22,576,749	(915)	6,455,362	19,367	189,617,882	5.498%	9,775.63		

Changes in Unfunded Actuarial Liability

Unfunded Actuarial Liability, June 30, 2013 **\$ 1,201,733,000**

Expected increase from amortization method	(19,080,000)
Expected increase from contributions below actuarial rates	(10,814,000)
Investment experience (smoothed)	(488,025,000)
Liability experience (including transfers)	379,185,000
Changes in assumptions	-

Unfunded Actuarial Liability, June 30, 2014 \$ 1,062,999,000

Schedule of Contributions

The Schedule of Contributions is included in the Required Supplementary Information provided in the Financial Section of this Comprehensive Annual Financial Report.

Plan Provisions

A discussion of plan provisions is included in Note 2 to the financial statements included in the Financial Section.



State of West Virginia Consolidated Public Retirement Board

Board Members
Governor Earl Ray Tomblin
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Executive Director
Jeffrey E. Fleck

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March 4, 2016

Actuarial Review and Certification

This Report presents the results of the annual Actuarial Valuation of the West Virginia Teachers' Retirement System (TRS) as of July 1, 2014. The purposes of the Actuarial Valuation are to determine the actuarial liabilities for the Plan and to determine if the expected contributions will be sufficient to meet or exceed the Plan's long term funding policy.

This valuation presents the liabilities of the plan as of the valuation date and the projected Employer contribution for fiscal year 2016. Some key highlights are:

- The valuation was prepared based on an assumed interest rate of 7.5%.
- Based on the valuation results, the State contribution to TRS for fiscal year 2016 is \$387,685,000.
- The funded percentage of plan assets to the actuarial accrued liability at the valuation date is 66%, compared to 58% for the prior year.

This report contains supporting data and background information pertaining to the development of costs and related liabilities of the plan. The valuation is based on membership data as of June 30, 2014 maintained by the West Virginia Consolidated Public Retirement Board (CPRB), and financial information received from the West Virginia Investment Management Board.

In performing the valuation, we relied on employee data and asset information provided by the administrative staff of the CPRB. In the case of employee data, each individual record was audited for reasonableness and internal consistency, although the validity of the information was not traced to source documents. With respect to plan assets, a general review for consistency with the information furnished from prior valuations was performed.

Certain tables presented in the Comprehensive Annual Financial Report are derived from the most recent valuations reported by Buck Consultants. The tables were prepared by the staff of the CPRB and examined by our internal actuarial staff. These tables include-

Financial Section

- Schedule of Employer Contributions

Actuarial Section

- Summary of Actuarial Assumptions and Methods
- Schedule of Active Member Valuation Data

- Solvency Test
- Schedule of Retirees and Beneficiaries
- Schedule of Funding Progress
- Changes in Unfunded Actuarial Liability

The Actuary hereby certifies that this Actuarial Valuation Report was completed in compliance with actuarial standards applicable to the purposes of the Actuarial Valuation. The Actuary further certifies that the actuarial methods and assumptions applied in completing the Actuarial Valuation as reasonable and appropriate for the purposes stated herein.

Respectfully Submitted:

Harry W. Mandel

Harry W. Mandel
Board Actuary
Member, American Academy of Actuaries
Member Society of Pension Actuaries
Enrolled Actuary #14-2527

SUMMARY OF ACTUARIAL METHODS AND ASSUMPTIONS

Valuation Date: July 1, 2014

Funding Method and Basis for Assumptions

The valuation is prepared under the Entry Age Cost Method with individually computed accrued liabilities. The Normal Cost is computed in aggregate. Entry is based on adjusted date of hire (i.e. valuation date minus known past service).

Experience studies are performed at least once in every five-year period. This valuation was prepared on the basis of assumptions that were recommended to and adopted by the Board on the basis of an experience study covering the period from July 1, 2005, to June 30, 2010. These assumptions will remain in effect for valuation purposes until such time as the Board adopts revised assumptions.

Interest Rate and Expenses

The valuation interest assumption is 7.5% per annum, with no loading for plan expenses.

Pre-Retirement Mortality

Pre-retirement mortality rates are based on the results of the 2006-2010 experience study. The mortality tables used are the RP-2000 Non-Annuitant tables for in-service males and females. Sample pre-retirement mortality rates are as follows:

**Pre-Retirement Mortality
RP-2000 Non-Annuitant Table**

Age	Male	Female
30	0.00044	0.00026
40	0.00108	0.00071
50	0.00214	0.00168
60	0.00488	0.00393

Post-Retirement Mortality

Post-retirement mortality rates are based on the results of the 2006-2010 experience study. The mortality tables used are as follows:

- Healthy males: RP-2000 Healthy Annuitant table, projected to 2020
- Healthy females: RP-2000 Healthy Annuitant table, projected to 2020
- Disabled males: RP-2000 Disabled Annuitant table, projected to 2020, setback 2 years
- Disabled females: RP-2000 Disabled Annuitant table, projected to 2020, setback 1 year

Sample post-retirement mortality rates are as follows:

**Post-Retirement Healthy Mortality
RP-2000 Healthy Annuitant Table
Projected to 2020 with Scale AA**

Age	Male	Female
60	0.00594	0.00561
70	0.01641	0.01515
80	0.05265	0.03987
90	0.16928	0.12400

Post-Retirement Disabled Mortality
RP-2000 Disabled Annuitant Table
Projected to 2020 with Scale AA
Set Back 2 Years for Males and
Set Back 1 Year for Females

Age	Male	Female
30	0.02042	0.00585
40	0.02001	0.00551
50	0.01912	0.00740
60	0.02849	0.01879
70	0.04293	0.03196
80	0.07670	0.05891
90	0.14672	0.12333

Withdrawal from Service

Withdrawal rates are based on the 2006-2010 experience study. Withdrawal rates are assumed to cease upon eligibility for retirement. All withdrawal is assumed to result in refund of contributions if non-vested or a deferred annuity if vested. Sample withdrawal rates are as follows:

Withdrawal Rates

Teachers (less than 1 year)		
Age	Male	Female
30	0.26000	0.26000
40	0.22000	0.22000
50	0.18000	0.18000
60	0.14000	0.14000

Withdrawal Rates

Teachers (1 to 2 years)		
Age	Male	Female
30	0.12100	0.11000
40	0.08800	0.08000
50	0.06600	0.06000
60	0.05500	0.05000

Withdrawal Rates

Teachers (2 to 3 years)		
Age	Male	Female
30	0.06850	0.07400
40	0.06350	0.05400
50	0.05700	0.04400
60	0.05000	0.04400

Withdrawal Rates

Teachers (3 to 4 years)		
Age	Male	Female
30	0.06000	0.04800
40	0.04000	0.03600
50	0.03000	0.03000
60	0.03000	0.03000

Withdrawal Rates

Teachers (4 to 5 years)		
Age	Male	Female
30	0.04000	0.03600
40	0.02000	0.02267
50	0.01500	0.01500
60	0.01500	0.01500

Withdrawal Rates

Teachers (greater than 5 years)		
Age	Male	Female
30	0.02400	0.02400
40	0.01904	0.01600
50	0.01200	0.00800
60	0.01600	0.01200

Withdrawal Rates

Non-Teachers and State (less than 1 year)		
Age	Male	Female
30	0.19500	0.19500
40	0.16500	0.16500
50	0.13500	0.13500
60	0.10500	0.10500

Withdrawal Rates

Non-Teachers and State (1 to 2 years)		
Age	Male	Female
30	0.11000	0.09900
40	0.08000	0.07200
50	0.06000	0.05400
60	0.05000	0.04500

Withdrawal Rates

Non-Teachers and State (2 to 3 years)		
Age	Male	Female
30	0.08500	0.06800
40	0.05500	0.04400
50	0.04000	0.03200
60	0.04000	0.03200

Withdrawal Rates

Non-Teachers and State (3 to 4 years)		
Age	Male	Female
30	0.06000	0.05400
40	0.04000	0.03600
50	0.03000	0.02700
60	0.03000	0.02700

Withdrawal Rates

Non-Teachers and State (4 to 5 years)		
Age	Male	Female
30	0.03750	0.03750
40	0.02250	0.02250
50	0.01500	0.01500
60	0.01125	0.01125

Withdrawal Rates

Non-Teachers and State (greater than 5 years)		
Age	Male	Female
30	0.03000	0.02450
40	0.01750	0.01750
50	0.01250	0.01316
60	0.01500	0.01400

Disablement Rates

Disablement rates are based on the 2006-2010 experience study. A sample of disablement rates follows:

Disability Rates

Age	State	Nonstate
30	0.00100	0.00080
40	0.00250	0.00200
50	0.00509	0.00376
60	0.00700	0.00880

Retirement Rates

Retirement rates are based on the 2006-2010 experience study. A schedule of retirement rates follows:

Retirement Rates

Age	Teachers		Non-Teachers & State	
	Male	Female	Male	Female
54	0.000	0.000	0.000	0.000
55	0.250	0.275	0.300	0.200
56	0.150	0.175	0.200	0.150
57	0.150	0.175	0.150	0.150
58	0.170	0.180	0.150	0.150
59	0.190	0.190	0.150	0.175
60	0.200	0.250	0.150	0.200
61	0.300	0.200	0.150	0.200
62	0.400	0.275	0.400	0.300
63	0.250	0.200	0.250	0.200
64	0.250	0.250	0.175	0.200
65	0.400	0.300	0.300	0.300
66	0.300	0.300	0.225	0.200
67	0.300	0.300	0.200	0.200
68	0.300	0.300	0.200	0.200
69	0.300	0.300	0.200	0.200
70+	1.000	1.000	1.000	1.000

Salary Scales

Salary scales are based on the 2006-2010 experience study. Projected salary increases are in the following ranges by group, with an underlying inflation rate of 3.0%:

Group	Range of Projected
	Salary Increases
Teachers	3.75% - 5.25%
Non-Teachers	3.40% - 6.50%

A sample of salaries from the salary scales is as follows:

Salary Scales (%)

Age	Non-Teachers	
	Teachers	and State
30	4.750	5.500
40	4.250	5.250
50	3.850	4.400
60	3.850	3.730

Accrual of Future Service

Future service accrual factors are based on the 2006-2010 experience study. All active members will accrue 1.00 year of service for each future year of employment.

Non-Contributory Service Loadings

The load factor assumptions for non-contributory service (military, parochial or out-of-state teaching, transferred PERS service, and unused sick leave) are based on the 2006-2010 experience study and are as follows:

Group	Male	Female
Teachers	1.0750	1.0400
Non-Teachers	1.0400	1.0275

Family Composition

It is assumed that 85% of males and 80% of females are married, with husbands 3 years older than wives. Remarriage rates are not used.

Asset Valuation Method

Assets for valuation purposes are included at Market Value.

Plan Contribution

Both employee and employer contributions to the plan are assumed to be paid in the middle of the year.

ACTUARIAL SECTION
Teachers' Retirement System

Schedule of Active Member Valuation Data

Valuation Date	Number	Annual Payroll	Annual Average Pay	% Increase (Decrease) in Average Pay
6/30/2014	35,724	\$ 1,481,786,000	41,478.73	-1.14915%
6/30/2013	35,593	1,493,515,000	41,960.92	-0.50251%
6/30/2012	35,807	1,510,083,000	42,172.84	0.42227%
6/30/2011	35,855	1,505,749,000	41,995.51	-0.18532%
6/30/2010	35,670	1,500,761,000	42,073.48	0.18898%
6/30/2009	35,701	1,499,232,000	41,994.12	4.93487%
6/30/2008	35,219	1,409,437,000	40,019.22	-5.71859%
6/30/2007	19,529	828,939,000	42,446.57	4.17553%
6/30/2006	18,633	759,206,000	40,745.24	-1.80560%
6/30/2005	17,728	735,614,000	41,494.48	2.16317%

Schedule of Funding Progress (in thousands)

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) Entry Age (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)
7/1/2014	\$ 6,682,093	\$ 10,098,693	\$ 3,416,600	66.2%	\$ 1,481,786	230.6%
7/1/2013	5,751,101	9,930,335	4,179,234	57.9%	1,493,515	279.8%
7/1/2012	5,144,397	9,712,582	4,568,185	53.0%	1,510,082	302.5%
7/1/2011	5,074,665	9,445,148	4,370,483	53.7%	1,505,749	290.3%
7/1/2010	4,143,540	8,904,312	4,760,772	46.5%	1,500,761	317.2%
7/1/2009	3,554,771	8,607,869	5,053,098	41.3%	1,499,232	337.0%
7/1/2008	4,133,883	8,268,578	4,134,695	50.0%	1,409,437	293.4%
7/1/2007	3,665,993	7,142,711	3,476,718	51.3%	828,939	419.4%
7/1/2006	2,174,464	6,877,872	4,703,408	31.6%	759,206	619.5%
7/1/2005	1,627,355	6,617,708	4,990,353	24.6%	735,614	678.4%

Solvency Test (in thousands)

Valuation Date	Aggregate Accrued Liabilities For				Reported Assets	% of Accrued Liabilities Covered by Reported Assets			
	(1)		(2)			(1)	(2)	(3)	
	Active Member Contributions	Retirants and Beneficiaries	Employer Financed Portions	Active Members					
6/30/2014	\$ 776,002	\$ 6,651,706	\$ 2,670,985	\$ 6,682,093	100.0000%	89.9617%	0.0000%		
6/30/2013	764,280	6,264,695	2,901,360	5,751,101	100.0000%	81.8199%	0.0000%		
6/30/2012	754,285	5,806,955	3,151,342	5,144,397	100.0000%	78.4059%	0.0000%		
6/30/2011	739,997	5,438,589	3,266,562	5,074,665	100.0000%	82.1331%	0.0000%		
6/30/2010	687,828	4,877,284	3,339,200	4,143,540	100.0000%	74.4556%	0.0000%		
6/30/2009	677,365	4,511,170	3,419,334	3,554,771	100.0000%	68.5120%	0.0000%		
6/30/2008	630,240	4,219,349	3,418,989	4,133,883	100.0000%	85.2419%	0.0000%		
6/30/2007	302,347	3,985,211	2,855,153	3,665,993	100.0000%	85.5031%	0.0000%		
6/30/2006	282,706	3,709,404	2,885,762	2,174,464	100.0000%	54.4690%	0.0000%		
6/30/2005	269,913	3,405,508	2,942,287	1,627,355	100.0000%	44.2767%	0.0000%		

ACTUARIAL SECTION
Teachers' Retirement System

Schedule of Retirees and Beneficiaries Added and Removed

Retirees Added			Retirees Removed		Retirees - Year End			% Increase	Average
Fiscal Year Ended	Annual Number	Allowances	Annual Number	Allowances	Annual Number	Allowances	in Annual Allowances	Annual Allowance	
2014	2,054	\$59,887,492	(1,061)	\$13,218,744	34,000	\$ 704,665,714	3.483%	\$20,725.46	
2013	2,210	65,333,080	(1,116)	14,090,125	33,007	661,061,157	4.442%	20,027.91	
2012	1,850	52,405,063	(980)	11,142,482	31,913	611,964,828	4.149%	19,176.04	
2011	2,039	55,816,157	(1,123)	11,685,848	31,043	571,566,916	4.779%	18,412.10	
2010	1,952	50,384,790	(1,070)	11,288,029	30,127	529,400,876	4.875%	17,572.31	
2009	1,766	43,023,575	(1,043)	10,606,309	29,245	490,013,124	4.278%	16,755.45	
2008	1,625	41,174,835	(1,143)	10,880,080	28,522	458,291,496	4.609%	16,068.00	
2007	1,756	42,148,636	(1,105)	10,597,790	28,040	430,694,400	5.090%	15,360.00	
2006	1,658	27,450,240	(1,020)	8,987,954	27,389	400,317,624	6.376%	14,616.00	
2005	1,785	39,146,121	(1,084)	9,774,211	26,751	367,558,740	5.239%	13,740.00	

Changes in Unfunded Actuarial Liability

Unfunded Actuarial Liability, June 30, 2013 \$ 4,179,234,000

Expected increase from amortization method	(70,637,000)
Expected increase from contributions below actuarial rates	(75,702,000)
Investment experience	(570,272,000)
Liability experience (including transfers)	(46,023,000)
Change in assumption	-

Unfunded Actuarial Liability, June 30, 2014 \$ 3,416,600,000

Schedule of Contributions

The Schedule of Contributions is included in the Required Supplementary Information provided in the Financial Section of this Comprehensive Annual Financial Report.

Plan Provisions

A discussion of plan provisions is included in Note 2 to the financial statements included in the Financial Section.

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State of West Virginia Consolidated Public Retirement Board

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Joe Lynch
D. Todd Murray
Andrew Richardson
David Stover
C. Jeffrey Vallet

March 4, 2016

Actuarial Review and Certification

This Report presents the results of the annual Actuarial Valuation of the West Virginia State Police, Death, and Disability Retirement System (SPDDRS) as of July 1, 2014. The purposes of the Actuarial Valuation are to determine the actuarial liabilities for the Plan and to determine if the expected contributions will be sufficient to meet or exceed the Plan's long term funding policy.

Some key highlights are:

- The valuation was prepared based on an assumed interest rate of 7.50%.
- The State contribution is determined as the State normal cost plus a level-dollar amortization amount that will fund the unfunded actuarial liability by June 30, 2025. The required state contribution for Fiscal Year 2016 is \$13,209,000.

This report contains supporting data and background information pertaining to the development of costs and related liabilities of the plan. The valuation is based on membership data as of June 30, 2014, maintained by the West Virginia Consolidated Public Retirement Board (CPRB), and financial information received from the West Virginia Investment Management Board.

In performing the valuation, we relied on employee data and asset information provided by the administrative staff of the CPRB. In the case of employee data, each individual record was audited for reasonableness and internal consistency, although the validity of the information was not traced to source documents. With respect to plan assets, a general review for consistency with the information furnished from prior valuations was performed.

Certain tables presented in the Comprehensive Annual Financial Report are derived from the most recent valuations reported by Buck Consultants. The tables were prepared by the staff of the CPRB and examined by our internal actuarial staff. These tables include-

Financial Section

- Schedule of Employer Contributions

Actuarial Section

- Summary of Actuarial Assumptions and Methods
- Schedule of Active Member Valuation Data
- Solvency Test
- Schedule of Retirees and Beneficiaries

- Schedule of Funding Progress
- Changes in Unfunded Actuarial Liability

The Actuary hereby certifies that this Actuarial Valuation Report was completed in compliance with actuarial standards applicable to the purposes of the Actuarial Valuation. The Actuary further certifies that the actuarial methods and assumptions applied in completing the Actuarial Valuation as reasonable and appropriate for the purposes stated herein.

Respectfully Submitted:

Harry W. Mandel

Harry W. Mandel
Board Actuary
Member, American Academy of Actuaries
Member Society of Pension Actuaries
Enrolled Actuary #14-2527

SUMMARY OF ACTUARIAL METHODS AND ASSUMPTIONS

Valuation Date: July 1, 2014

Funding Method and Basis for Assumptions

The valuation is prepared under the Entry Age Cost Method with individually computed accrued liabilities. The Normal Cost is computed in aggregate. Entry is based on date of hire.

Experience studies are performed at least once in every five-year period. This valuation was prepared on the basis of assumptions that were recommended to and adopted by the Board on the basis of an experience study covering the period from July 1, 2006, to June 30, 2011. These assumptions will remain in effect for valuation purposes until such time as the Board adopts revised assumptions.

Interest Rate and Expenses

The valuation interest assumption is 7.50% annually, with no loading for plan expenses.

Pre-Retirement Mortality

The male and female RP-2000 Non-Annuitant Mortality Table, projected to 2020 using Scale BB. It is assumed that 70% of deaths of members in service are duty-related.

Post-Retirement Mortality

Post-retirement mortality tables are as follows:

Healthy: RP-2000 Healthy Annuitants, projected to 2025 using Scale BB

Disabled: RP-2000 Healthy Annuitants, projected to 2025 using Scale BB, set forward 1 year

Salary Scales

Compensation is assumed to increase 5.00% per year for the first two years of service, 4.50% for the next 3 years, 4.00% for the next 5 years, and 3.25% per year thereafter. The inflation rate is 3.00%.

Withdrawal from Service

Withdrawal rates cease once an employee is eligible for normal retirement. A sample of withdrawal rates follows:

Age	Rate of Withdrawal
20	0.0267
30	0.0190
40	0.0114
50	0.0038

Disablement Rates

A sample of disablement rates, which cease once an employee is eligible for normal retirement, are as follows:

Age	Rate of Disablement	Type of Disability	Probability
20	0.0005	Duty-Related Full	0.25
30	0.0020	Duty-Related Partial	0.60
40	0.0060	Nonduty-Related	0.15
50	0.0040		

Family Composition

90% of members are assumed to be married, with husbands 2 years older than their wives. Re-marriage rates are not used.

Accrual of Future Service

Active members are assumed to accrue 1 year of service for each future year of employment.

Non-Contributory Service

A 14.5% load is applied to the retirement liability for active members to represent additional benefit service credit at retirement as a result of the conversion of annual leave, sick leave, and additional credit for military service.

Retirement Rates

70% of members are assumed to retire when first eligible for unreduced benefits at the earlier of age 50 and 20 years of service or any age and 25 years of service. An active member who has already attained eligibility for normal retirement has a 20% probability of retiring each year thereafter with 100% retiring on or after attainment of age 55.

Asset Valuation Method

Assets for valuation purposes are included at Market Value.

Plan Contributions

Both employee and employer contributions are assumed to be paid in the middle of the year.

ACTUARIAL SECTION
State Police, Death, Disability, and Retirement System

Schedule of Active Member Valuation Data

Valuation Date	Number	Annual Payroll	Annual Average Pay	% Increase (Decrease) in Average Pay
6/30/2014	74	\$ 4,829,000	\$ 65,256.76	7.88943%
6/30/2013	99	5,988,000	60,484.85	-3.63824%
6/30/2012	108	6,779,000	62,768.52	4.33962%
6/30/2011	133	8,001,000	60,157.89	-1.30345%
6/30/2010	147	8,960,000	60,952.38	-2.73874%
6/30/2009	163	10,215,000	62,668.71	4.24699%
6/30/2008	173	10,400,000	60,115.61	4.41103%
6/30/2007	191	10,997,000	57,575.92	5.54895%
6/30/2006	204	11,128,000	54,549.02	2.77102%
6/30/2005	213	11,306,000	53,078.21	2.06418%

Schedule of Funding Progress (in thousands)

Actuarial Valuation Date	Actuarial Value of Assets		Actuarial Accrued Liability (AAL)		Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)
	7/1/2014	\$ 601,077	\$ 698,400	\$ 97,323	86.1%	\$ 4,829	2015.4%	
7/1/2013	\$ 520,322	\$ 679,931	\$ 159,609	76.5%	5,988	2665.5%		
7/1/2012	\$ 477,345	\$ 663,341	\$ 185,996	72.0%	6,779	2743.7%		
7/1/2011	\$ 481,994	\$ 606,245	\$ 124,251	79.5%	8,001	1552.9%		
7/1/2010	\$ 404,444	\$ 590,729	\$ 186,285	68.5%	8,960	2079.1%		
7/1/2009	\$ 362,927	\$ 573,579	\$ 210,652	63.3%	10,215	2062.2%		
7/1/2008	\$ 459,182	\$ 547,623	\$ 88,441	83.9%	10,400	850.4%		
7/1/2007	\$ 513,009	\$ 527,393	\$ 14,384	97.3%	10,997	130.8%		
7/1/2006	\$ 452,794	\$ 506,828	\$ 54,034	89.3%	11,128	485.6%		
7/1/2005	\$ 361,390	\$ 485,429	\$ 124,039	74.4%	11,252	1102.4%		

Solvency Test

Valuation Date	Aggregate Accrued Liabilities For				Reported Assets	% of Accrued Liabilities Covered by Reported Assets			
	(1)		(2)			(1)		(2)	
	Active Member Contributions	Retirants and Beneficiaries	Active Members Portions	(Employer Financed)		100.0000%	94.5595%	0.0000%	
6/30/2014	\$ 1,652,310	\$ 634,008,000	\$ 62,739,690	\$ 601,077,000	\$ 601,077,000	100.0000%	94.5595%	0.0000%	
6/30/2013	\$ 2,211,930	\$ 595,963,000	\$ 83,968,000	\$ 520,322,000	\$ 520,322,000	100.0000%	86.9849%	0.0000%	
6/30/2012	\$ 2,721,870	\$ 579,033,000	\$ 84,586,130	\$ 477,345,000	\$ 477,345,000	100.0000%	82.0526%	0.0000%	
6/30/2011	\$ 3,420,540	\$ 504,876,000	\$ 97,948,460	\$ 481,994,000	\$ 481,994,000	100.0000%	94.8254%	0.0000%	
6/30/2010	\$ 4,001,490	\$ 484,787,000	\$ 101,940,510	\$ 404,444,000	\$ 404,444,000	100.0000%	82.7442%	0.0000%	
6/30/2009	\$ 4,806,360	\$ 461,645,000	\$ 107,127,640	\$ 362,927,000	\$ 362,927,000	100.0000%	77.8060%	0.0000%	
6/30/2008	\$ 5,580,810	\$ 440,958,000	\$ 101,084,190	\$ 459,182,000	\$ 459,182,000	100.0000%	100.0000%	12.5076%	
6/30/2007	\$ 6,243,840	\$ 419,082,000	\$ 102,067,160	\$ 513,009,000	\$ 513,009,000	100.0000%	100.0000%	85.9073%	
6/30/2006	\$ 6,510,150	\$ 400,494,000	\$ 99,823,850	\$ 452,794,000	\$ 452,794,000	100.0000%	100.0000%	45.8707%	
6/30/2005	\$ 7,168,230	\$ 385,833,000	\$ 99,596,000	\$ 361,390,000	\$ 361,390,000	100.0000%	91.7970%	0.0000%	

ACTUARIAL SECTION
State Police, Death, Disability, and Retirement System

Schedule of Retirees and Beneficiaries Added and Removed

Retirees Added			Retirees Removed			Retirees - Year End			% Increase in Annual Allowances	Average Annual Allowance
Fiscal Year Ended	Number	Annual Allowances	Number	Annual Allowances	Number	Annual Allowances	Annual Allowances			
2014	34	\$ 1,921,276	(14)	\$ 435,906	725	\$ 39,349,335	4.575%	\$54,274.94		
2013	16	1,089,846	(21)	751,139	705	36,589,971	4.446%	51,900.67		
2012	27	1,873,579	(6)	172,507	710	35,281,042	5.574%	49,691.61		
2011	22	1,496,421	(17)	478,013	689	32,429,754	4.443%	47,067.86		
2010	30	1,971,032	(15)	547,180	684	30,824,823	4.248%	45,065.53		
2009	21	1,328,897	(14)	426,804	669	28,920,348	4.808%	43,229.22		
2008	16	890,947	(5)	142,622	662	27,304,928	4.225%	41,246.11		
2007	17	1,003,174	(11)	200,559	651	25,762,801	4.242%	39,574.20		
2006	19	1,112,601	(11)	380,973	645	24,486,575	3.318%	37,963.68		
2005	28	1,530,766	(13)	212,879	637	23,406,196	5.420%	36,744.42		

Changes in Unfunded Actuarial Liability

Unfunded Actuarial Liability, June 30, 2013 \$ 159,609,000

Expected increase from amortization method	(7,446,000)
Expected increase from contributions below actuarial rates	(6,095,000)
Investment experience	(52,184,000)
Liability experience (including transfers)	3,439,000
Change in assumption	-

Unfunded Actuarial Liability, June 30, 2014 \$ 97,323,000

Schedule of Contributions

The Schedule of Contributions is included in the Required Supplementary Information provided in the Financial Section of this Comprehensive Annual Financial Report.

Plan Provisions

A discussion of plan provisions is included in Note 2 to the financial statements included in the Financial Section.



State of West Virginia Consolidated Public Retirement Board

Board Members
Governor Earl Ray Tomblin
Auditor Glen B. Gainer III, Vice Chairman
Treasurer John D. Perdue
Acting Cabinet Secretary Jason Pizatella

Executive Director
Jeffrey E. Fleck

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Board Members
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Joseph Bunn
Captain Michael G. Corsaro
Angela Crank
Joe Lynch
D. Todd Murray
Andrew Richardson
David Stover
C. Jeffrey Vallet

March 4, 2016

Actuarial Review and Certification

This Report presents the results of the annual Actuarial Valuation of the West Virginia State Police Retirement System (SPRS) as of July 1, 2014. The purposes of the Actuarial Valuation are to determine the actuarial liabilities for the Plan and to determine if the expected contributions will be sufficient to meet or exceed the Plan's long term funding policy.

Some key highlights are:

- The valuation was prepared based on an assumed interest rate of 7.50%.
- The valuation indicates that the expected state contribution of 13.5%, effective July 1, 2014, of payroll plus the member contribution of 12% of payroll is sufficient to meet the annual funding requirements of the plan.
- The funded percentage of plan assets to the actuarial accrued liability is 105.5%. Since the funded percentage exceeds 90%, the member contribution rate will remain at 12% for the July 1, 2015 valuation.
- Based on a 15-year projection, the Plan will continue to have positive cash flow; i.e., contributions plus investment income are expected to exceed benefit payments and expenses through FY 2029. Contributions alone are expected to exceed benefit payments for the next 11 years.

This report contains supporting data and background information pertaining to the development of costs and related liabilities of the plan. The valuation is based on membership data as of June 30, 2014 maintained by the West Virginia Consolidated Public Retirement Board (CPRB), and financial information received from the West Virginia Investment Management Board.

In performing the valuation, we relied on employee data and asset information provided by the administrative staff of the CPRB. In the case of employee data, each individual record was audited for reasonableness and internal consistency, although the validity of the information was not traced to source documents. With respect to plan assets, a general review for consistency with the information furnished from prior valuations was performed.

Certain tables presented in the Comprehensive Annual Financial Report are derived from the most recent valuations reported by Buck Consultants. The tables were prepared by the staff of the CPRB and examined by our internal actuarial staff. These tables include-

Financial Section

- Schedule of Employer Contributions

Actuarial Section

- Summary of Actuarial Assumptions and Methods
- Schedule of Active Member Valuation Data
- Solvency Test
- Schedule of Retirees and Beneficiaries
- Schedule of Funding Progress
- Changes in Unfunded Actuarial Liability

The Actuary hereby certifies that this Actuarial Valuation Report was completed in compliance with actuarial standards applicable to the purposes of the Actuarial Valuation. The Actuary further certifies that the actuarial methods and assumptions applied in completing the Actuarial Valuation as reasonable and appropriate for the purposes stated herein.

Respectfully Submitted:

Harry W. Mandel

Harry W. Mandel
Board Actuary
Member, American Academy of Actuaries
Member Society of Pension Actuaries
Enrolled Actuary #14-2527

SUMMARY OF ACTUARIAL METHODS AND ASSUMPTIONS

Valuation Date: July 1, 2014

Funding Method and Basis for Assumptions

The valuation is prepared under the Entry Age Normal Cost Method with individually computed accrued liabilities. The Normal Cost is computed in aggregate. Entry age is based on date of hire. The unfunded liability segments are amortized as a level dollar amount over their specified periods.

Experience studies are performed at least once in every five-year period. This valuation was prepared on the basis of assumptions that were recommended to and adopted by the Board on the basis of an experience study covering the period from July 1, 2006, to June 30, 2011. These assumptions will remain in effect for valuation purposes until such time as the Board adopts revised assumptions.

Interest Rate and Expenses

The valuation interest assumption is 7.50% annually, with no loading for plan expenses.

Pre-Retirement Mortality

The male and female RP-2000 Non-Annuitant Mortality Table, projected to 2020 using Scale BB. It is assumed that 70% of deaths of members in service are duty-related.

Post-Retirement Mortality

Post-retirement mortality tables are as follows:

Healthy: RP-2000 Healthy Annuitants, projected to 2025 using Scale BB

Disabled: RP-2000 Healthy Annuitants, projected to 2025 using Scale BB, set forward 1 year

Salary Scales

Compensation is assumed to increase 5.00% per year for the first two years of service, 4.50% for the next 3 years, 4.00% for the next 5 years, and 3.25% per year thereafter. This corresponds to an assumed underlying inflation rate of 3.00%.

Withdrawal from Service

Withdrawal rates cease once an employee is eligible for normal retirement. A sample of withdrawal rates follows:

Age	Rate of Withdrawal
20	0.0760
30	0.0542
40	0.0240
50	0.0114

Disablement Rates

No disablements are assumed to occur after the later of age 55 and the age first eligible for retirement. A sample of disablement rates follows:

Age	Rate of Disablement	Type of Disability	Probability
20	0.0005	Duty-Related Full	0.25
30	0.0020	Duty-Related Partial	0.60
40	0.0060		
50	0.0040	Nonduty-Related	0.15

Family Composition

It is assumed that 90% of members are married, with husbands 3 years older than their wives. Remarriage rates are not used.

Accrual of Future Service

It is assumed that active members will accrue one year of service for each future year of employment.

Non-Contributory Service

It is assumed that state troopers at retirement will have a 14.5% increase over contributory service added for all sources.

Retirement Rates

70% of members are assumed to retire when first eligible for unreduced benefits at the earlier of age 50 and 25 years of service or age 52 and 20 years of service. An active member who has already attained eligibility for normal retirement has a 20% probability of retiring each year thereafter with 100% retiring on or after attainment of age 55.

Asset Valuation Method

Assets for valuation purposes are included at Market Value.

Plan Contributions

Plan Contributions, both employee and employer, are assumed to be paid in the middle of the year.

ACTUARIAL SECTION
State Police Retirement System

Schedule of Active Member Valuation Data

Valuation Date	Number	Annual Payroll	Annual Average Pay	% Increase (Decrease) in Average Pay
6/30/2014	597	\$ 29,574,000	\$ 49,537.69	-0.21288%
6/30/2013	558	27,701,000	49,643.37	1.54732%
6/30/2012	556	27,670,000	48,886.93	3.40895%
6/30/2011	523	24,725,000	47,275.33	-0.38876%
6/30/2010	498	23,635,000	47,459.84	0.08509%
6/30/2009	472	22,382,000	47,419.49	6.36366%
6/30/2008	455	20,285,000	44,582.42	6.19366%
6/30/2007	449	18,850,000	41,982.18	14.01588%
6/30/2006	431	15,870,000	36,821.35	3.17500%
6/30/2005	401	14,311,000	35,687.37	2.48106%

Schedule of Funding Progress (in thousands)

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL)				Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)
		Entry Age (b)	AAL (UAAL) (b-a)	Unfunded AAL (UAAL)	Covered Payroll (c)			
7/1/2014	\$ 120,572	\$ 114,314	\$ -	105.5%	\$ 29,574	0.0%		
7/1/2013	96,092	101,503	5,411	94.7%	27,701	19.5%		
7/1/2012	78,735	89,558	10,823	87.9%	27,670	39.1%		
7/1/2011	70,756	79,036	8,280	89.5%	24,725	33.5%		
7/1/2010	52,735	69,171	16,436	76.2%	23,635	69.5%		
7/1/2009	40,321	61,628	21,307	65.4%	22,382	95.2%		
7/1/2008	41,564	51,388	9,824	80.9%	20,285	48.4%		
7/1/2007	40,350	40,786	436	98.9%	18,850	2.3%		
7/1/2006	30,747	33,552	2,805	91.6%	15,870	17.7%		
7/1/2005	25,297	26,050	753	97.1%	14,311	5.3%		

Solvency Test

Valuation Date	Aggregate Accrued Liabilities For				Reported Assets	% of Accrued Liabilities Covered by Reported Assets			
	(1)		(2)			(1)	(2)	(3)	
	Active Member Contributions	Retirants and Beneficiaries	Active Members Portions	(Employer Financed)					
6/30/2014	\$ 30,240,720	\$ 9,763,000	\$ 74,310,280	\$ 120,572,000	100.0000%	100.0000%	108.4214%		
6/30/2013	31,283,070	8,776,000	61,443,930	96,092,000	100.0000%	100.0000%	91.1936%		
6/30/2012	32,246,890	7,702,000	49,609,110	78,735,000	100.0000%	100.0000%	78.1834%		
6/30/2011	30,712,110	6,674,000	41,649,890	70,756,000	100.0000%	100.0000%	80.1200%		
6/30/2010	30,016,350	6,695,000	32,459,650	52,735,000	100.0000%	100.0000%	49.3648%		
6/30/2009	28,706,730	5,351,000	27,570,270	40,321,000	100.0000%	100.0000%	22.7175%		
6/30/2008	24,440,160	4,449,000	22,498,840	41,564,000	100.0000%	100.0000%	56.3355%		
6/30/2007	25,036,800	2,732,000	13,017,200	40,350,000	100.0000%	100.0000%	96.6506%		
6/30/2006	24,567,960	2,178,000	6,806,040	30,747,000	100.0000%	100.0000%	78.6600%		
6/30/2005	21,276,000	1,907,000	2,867,000	25,297,000	100.0000%	100.0000%	73.7356%		

ACTUARIAL SECTION
State Police Retirement System

Schedule of Retirees and Beneficiaries Added and Removed

Retirees Added			Retirees Removed			Retirees - Year End			% Increase	Average
Fiscal	Year Ended	Number	Annual Allowances	Number	Annual Allowances	Number	Annual Allowances	in Annual Allowances	Annual Allowance	
2014	-	\$ -	\$ -	-	\$ -	19	\$ 632,053	7.009%	\$33,235.95	
2013	2	94,333	(1)	30,101	-	19	590,653	9.264%	31,087.00	
2012	1	32,336	-	-	-	18	512,124	8.319%	28,451.33	
2011	-	-	-	-	-	17	446,525	0.686%	26,266.18	
2010	4	176,822	(1)	17,920	-	17	443,482	0.909%	26,087.18	
2009	2	45,048	-	-	-	14	361,932	15.165%	25,852.29	
2008	4	101,750	-	-	-	12	269,376	8.147%	22,448.00	
2007	1	33,043	-	-	-	8	166,056	10.326%	20,757.00	
2006	1	17,383	-	-	-	7	131,700	-0.286%	18,814.29	
2005	-	-	-	-	-	6	113,210	0.984%	18,868.33	

Changes in Unfunded Actuarial Liability

Unfunded Actuarial Liability, June 30, 2013	<u>\$ 5,411,000</u>
Expected increase from amortization method	(654,000)
Expected increase from contributions below actuarial rates	(686,000)
Investment experience	(10,254,000)
Liability experience (including transfers)	(75,000)
Change in assumption	-
Unfunded Actuarial Liability, June 30, 2014	<u>\$ (6,258,000)</u>

Schedule of Contributions

The Schedule of Contributions is included in the Required Supplementary Information provided in the Financial Section of this Comprehensive Annual Financial Report.

Plan Provisions

A discussion of plan provisions is included in Note 2 to the financial statements included in the Financial Section.



State of West Virginia Consolidated Public Retirement Board

Board Members
Governor Earl Ray Tomblin
Auditor Glen B. Gainer III, Vice Chairman
Treasurer John D. Perdue
Acting Cabinet Secretary Jason Pizatella

Executive Director
Jeffrey E. Fleck

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Board Members
David L. Wyant, Chairman
Andy Bird
Joseph Bunn
Captain Michael G. Corsaro
Angela Crank
Joe Lynch
D. Todd Murray
Andrew Richardson
David Stover
C. Jeffrey Vallet

March 4, 2016

Actuarial Review and Certification

This report presents the results of the annual Actuarial Valuation of the West Virginia Deputy Sheriff Retirement System (DSRS) as of July 1, 2014. The purposes of the Actuarial Valuation are to determine the actuarial liabilities for the Plan and to determine if the expected contributions will be sufficient to meet the Plan's long term funding policy.

As of the July 1, 2014 Actuarial Valuation date, the Actuarial Accrued Liability (AAL) attributable to past years of employment totals \$180,677,000. Trust Fund assets available to fund the AAL have a market value of \$162,748,000. The resulting Unfunded Actuarial Accrued Liability (UAAL) is \$17,929,000. The funded percentage is 90.1% on the valuation date.

The minimum funding policy for DSRS is to contribute no less than the annual Normal Cost plus the amount necessary to fund the UAAL by the end of FY2029. Amortization payments are calculated as a level percentage of expected total DSRS payroll plus level report fee deposits under West Virginia Code Section 7-14E-2. The required employer contribution under the funding policy for FY2015 is \$3,681,000. The Consolidated Public Retirement Board (CPRB) Board of Trustees reduced the employer contribution rate to 12.5% effective July 1, 2014. Total expected employer contributions at the current 12.5% of payroll contribution rate plus fee deposits of \$535,000 total \$6,364,000. The amount exceeds the amount necessary to meet the minimum funding policy. Preferred level dollar amortization applied to other WV State plans would require \$4,048,000.

The valuation reflects a continuation of the actuarial assumptions adopted as part of the July 1, 2012 Actuarial Valuation. The investment return rate of 17.94% provided an actuarial gain of about \$14,200,000 above the 7.5% assumed return rate. Fee contributions continued a slow slide resulting in average fees of \$536,000 over the last 5 years. The expected fee assumption was unchanged at \$535,000.

In performing the valuation, we relied on employee data and asset information provided by the administrative staff of the West Virginia Consolidated Public Retirement Board (CPRB). In the case of employee data, each individual record was audited for reasonableness and internal consistency, although the validity of the information was not traced to source documents. With respect to plan assets, a general review for consistency with the information furnished from prior valuations was performed.

Certain tables presented in the Comprehensive Annual Financial Report are derived from the most recent valuations reported by the Board Actuary. The tables were prepared by the staff of the CPRB and examined by our internal actuarial staff. These tables include-

Financial Section

- Schedule of Employer Contributions

Actuarial Section

- Summary of Actuarial Assumptions and Methods
- Schedule of Active Member Valuation Data
- Solvency Test
- Schedule of Retirees and Beneficiaries
- Schedule of Funding Progress
- Changes in Unfunded Actuarial Liability

The Board Actuary hereby certifies that this Actuarial Valuation Report was completed in compliance with actuarial standards applicable to the purposes of the actuarial valuation. The Board Actuary further certifies that the actuarial methods and assumptions applied in completing the actuarial valuation as reasonable and appropriate for the purposes stated herein.

Respectfully Submitted:

Harry W. Mandel

Harry W. Mandel
Board Actuary
Member, American Academy of Actuaries
Member Society of Pension Actuaries
Enrolled Actuary #14-2527

SUMMARY OF ACTUARIAL METHODS AND ASSUMPTIONS

Actuarial Valuation Date

The actuarial valuation is completed as of the first day of the plan year, July 1, 2014. Actuarial calculations verify the adequacy of the expected funding for the fiscal year corresponding to the Plan year. The valuation is completed for the July 1 through June 30 plan year.

Actuarial Cost Method

The valuation is completed applying the Entry Age Cost Method with Aggregate Normal Cost. The Actuarial Accrued Liability and the Normal Cost are determined on a level percentage of aggregate payroll funding basis.

Under the method, the Actuarial Accrued Liability is determined on an individual basis as a level percentage of payroll for each member. Inactive liabilities are valued on an accrued benefit basis.

The Total Normal Cost percentage of payroll requirement is calculated by dividing the excess of the Actuarial Present Value of Future benefits over the Actuarial Accrued Liability on an aggregate basis by the aggregate Present Value of Future Compensation for all active members. The Employer Normal Cost Percentage is calculated by subtracting the member contribution rate from the Total Normal Cost Percentage. The Employer Normal Cost is the Employer Normal Cost Percentage multiplied by the expected payroll for the valuation year.

Asset Valuation Method

Trust Fund assets are valued at the reported market value of assets as of the actuarial valuation date. The market value includes accrued amounts as reflected in the annual accounting for the Trust Fund.

Amortization Method for Funding

The funding target for DSRS is that the Unfunded Actuarial Accrued Liabilities are fully amortized by the end of fiscal year 2029. Amortization payments are calculated in the aggregate to remain a level percentage of future expected DSRS payroll determined on an open group projected payroll basis.

Interest Return and Discount Rate

The interest rate assumption is a net return rate of 7.50% annually, net of investment and administrative expenses. The rate is applied to the interest return on Trust Fund assets as well as the discount rate on future expected benefit payments.

Healthy Life Mortality Rates

Active members mortality is the RP2000 Non-Annuity Mortality Table with mortality improvements projected to 2020 by Scale BB with separate rates for males and females. The projection year reflects additional law enforcement profession related mortality risks.

Retired members and their beneficiaries mortality is the RP2000 Healthy Annuity Mortality Table with mortality improvements projected to 2025 by Scale BB with separate rates for males and females.

Disability Retirees Mortality Rates

Member receiving disability retirement benefits mortality is the RP2000 Healthy Annuity Mortality Table projected to 2025 by Scale BB and age set forward of 1 year, with separate rates for males and females.

Salary Scale

An annual salary increase rate of 5.0% in each of the first two years of service, decreasing to 4.5% for years three through five, 4.0% for years six through ten years and 3.5% for all years of service in excess of the first ten years.

Payroll Growth Rate

The total annual payroll for the active membership is assumed to increase at 3.5% per year for salary increase growth plus 1.5% per year for membership growth resulting in a total annual growth of 5.0%. This open group growth rate is applied in determining the percentage of payroll amortization requirements under the targeted DSRS funding of the UAAL by the end of Fiscal Year 2029. This growth rate includes projected newly hired deputy sheriffs and is an open group payroll projection rate.

Withdrawal Rates

Withdrawal rates predict termination of employment prior to unreduced retirement eligibility. A sample of withdrawal rates by age are:

Age	Rate of Withdrawal
30	0.0880
40	0.0528
50	0.0176

Disability Rates

Disability rates predict an active member becoming disabled prior to unreduced retirement eligibility. A sample of disability rates by age are:

Age	Rate of Withdrawal
30	0.0020
40	0.0060
50	0.0040

Disability Rates - Type of Disability

It is assumed that members eligible for unreduced retirement will elect retirement prior to becoming disabled. It is also assumed that retired members will not become disabled following retirement due to duty related causes incurred prior to retirement.

Disability retirement benefits vary by type of disability. Disability retirements are assumed to break down in the following types:

Duty Related Full Disability -	50%
Duty Related Partial Disability -	25%
Non-Duty Full Disability -	20%
Non-Duty Partial Disability -	5%

Marriage Rate and Composition

In determining the value of pre-retirement spousal death benefits, it is assumed that 90% of all members will be married at death. Males are assumed to be three years older than their female spouse.

Accrual of Future Service

Employment as a deputy sheriff is considered a full time professional position. All active members are assumed to complete sufficient hours to accrue one year of service in each future year of employment.

Non-Contributory Service Credits for Military Service and Unused Leave at Retirement

At Normal or Early retirement, a member is assumed to be granted 1.25 additional years of service for benefits due to allowable military service, plus 1.50 additional years for unused annual leave and/or unused sick leave for a total of 2.75 additional years.

Retirement Rates

Members who become eligible for unreduced retirement benefits prior to age 65 are assumed to have a 20% probability of retiring in the year they first become eligible. For years following the year of first eligibility and prior to attaining age 65, an additional 20% are assumed to retire each year. At 65, 100% of remaining members are assumed to retire.

Members who become eligible for unreduced retirement benefits on or after the attainment of age 65 are assumed to retire in the year they first become eligible.

Plan Contributions

Member and employer contributions are calculated as a percentage of total members' payroll. Amounts are deposited to the Trust Fund on a monthly basis. For interest calculation purposes, all amounts are treated as being deposited on an average of half way through the Plan year.

Fee Contributions under Section 7-14E-2

A portion of fees generated by each sheriff department for reports are contributed to the DSRS Trust Fund. Fees are deposited throughout the year. For interest calculation purposes they are treated as being deposited on an average of half way through the Plan year.

Fees are estimated based upon historical amounts contributed to the Trust Fund. Total deposits for last year were \$554,000 with annual deposits during the last five years of \$537,000. For the purposes of analyzing the adequacy of total funding for DSRS in meeting the DSRS funding target, an average annual fee income of \$535,000 has been assumed to continue in this and all future years.

ACTUARIAL SECTION
Deputy Sheriff Retirement System

Schedule of Active Member Valuation Data

Valuation Date	Number	Annual Payroll	Annual Average Pay	% Increase (Decrease) in Average Pay
6/30/2014	1,002	\$ 46,634,000	\$ 46,540.92	2.14940%
6/30/2013	990	45,106,000	45,561.62	2.34454%
6/30/2012	979	43,583,000	44,517.88	0.24561%
6/30/2011	954	42,366,000	44,408.81	3.48983%
6/30/2010	958	41,109,000	42,911.27	1.71203%
6/30/2009	926	39,067,000	42,188.98	3.08447%
6/30/2008	913	37,366,000	40,926.62	5.61326%
6/30/2007	893	34,605,000	38,751.40	4.97924%
6/30/2006	866	31,967,000	36,913.39	3.30200%
6/30/2005	835	28,403,000	34,016.07	-2.57688%

Schedule of Funding Progress (in thousands)

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) Entry Age (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)
7/1/2014	\$ 162,748	\$ 180,677	\$ 17,929	90.1%	\$ 46,634	38.4%
7/1/2013	135,756	169,260	33,504	80.2%	45,106	74.3%
7/1/2012	117,526	157,007	39,481	74.9%	43,583	90.6%
7/1/2011	113,574	149,462	35,888	76.0%	42,366	84.7%
7/1/2010	92,692	139,638	46,946	66.4%	41,109	114.2%
7/1/2009	78,220	129,204	50,984	60.5%	39,067	130.5%
7/1/2008	89,852	119,738	29,885	75.0%	37,366	80.0%
7/1/2007	93,983	109,726	15,743	85.7%	34,605	45.5%
7/1/2006	77,899	103,748	25,849	75.1%	31,967	80.9%
7/1/2005	68,914	98,081	29,167	70.3%	29,837	97.8%

Solvency Test

Valuation Date	Aggregate Accrued Liabilities For				Reported Assets	% of Accrued Liabilities Covered by Reported Assets			
	(1)		(2)						
	Active Members		Retirants and Beneficiaries			(Employer Financed Portions)	(1)	(2)	
Contributions	Active Member Contributions	Retirants and Beneficiaries	Employer Financed Portions	Portions)	Reported Assets		(1)	(2)	
6/30/2014	\$ 31,801,390	\$ 84,203,000	\$ 64,672,610	\$ 162,748,000	\$ 162,748,000	100.0000%	100.0000%	72.2773%	
6/30/2013	30,881,010	77,437,000	60,941,990	135,756,000	135,756,000	100.0000%	100.0000%	45.0231%	
6/30/2012	30,037,300	71,406,000	55,563,700	117,526,000	117,526,000	100.0000%	100.0000%	28.9446%	
6/30/2011	32,663,715	65,464,000	51,334,285	113,574,000	113,574,000	100.0000%	100.0000%	30.0896%	
6/30/2010	31,989,920	61,890,000	45,758,080	92,692,000	92,692,000	100.0000%	98.7346%	0.0000%	
6/30/2009	30,591,925	59,534,000	39,078,075	78,220,000	78,220,000	100.0000%	86.7897%	0.0000%	
6/30/2008	27,768,140	52,756,000	39,213,860	89,852,000	89,852,000	100.0000%	100.0000%	23.7872%	
6/30/2007	25,389,160	44,387,000	39,949,840	93,983,000	93,983,000	100.0000%	100.0000%	60.5931%	
6/30/2006	23,229,565	40,768,000	39,750,435	77,899,000	77,899,000	100.0000%	100.0000%	34.9718%	
6/30/2005	21,596,715	34,816,000	41,668,285	68,914,000	68,914,000	100.0000%	100.0000%	30.0019%	

Schedule of Retirees and Beneficiaries Added and Removed

Retirees Added			Retirees Removed			Retirees - Year End			% Increase	Average
Fiscal Year Ended	Number	Annual Allowances	Number	Annual Allowances	Number	Annual Allowances	in Annual Allowances	Annual Allowance		
2014	26	\$ 853,364	8	\$ 149,532	317	\$ 7,168,032	2.179%	\$22,612.09		
2013	28	784,788	(12)	204,814	299	6,616,848	1.932%	22,129.93		
2012	11	308,172	-	-	283	6,144,074	0.457%	21,710.51		
2011	15	375,268	(3)	83,944	272	5,878,382	-0.097%	21,611.70		
2010	13	292,812	(1)	17,194	260	5,624,509	1.289%	21,632.73		
2009	32	843,276	(11)	264,193	248	5,296,624	2.072%	21,357.35		
2008	33	793,778	(3)	47,990	227	4,749,716	1.017%	20,923.86		
2007	15	429,466	(1)	26,338	197	4,080,498	1.123%	20,713.19		
2006	21	459,784	-	-	183	3,748,401	3.633%	20,483.07		
2005	21	526,589	(4)	67,803	162	3,201,942	4.101%	19,765.07		

Changes in Unfunded Actuarial Liability

Unfunded Actuarial Liability, June 30, 2013	<u>\$ 33,504,000</u>
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Expected increase from amortization method	(208,000)
Expected increase from contributions below actuarial rates	(1,625,000)
Investment experience	(14,062,000)
Liability experience (including transfers)	320,000
Change in assumption	-

Unfunded Actuarial Liability, June 30, 2014	<u>\$ 17,929,000</u>
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Schedule of Contributions

The Schedule of Contributions is included in the Required Supplementary Information provided in the Financial Section of this Comprehensive Annual Financial Report.

Plan Provisions

A discussion of plan provisions is included in Note 2 to the financial statements included in the Financial Section.

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State of West Virginia Consolidated Public Retirement Board

Board Members
Governor Earl Ray Tomblin
Auditor Glen B. Gainer III, Vice Chairman
Treasurer John D. Perdue
Acting Cabinet Secretary Jason Pizatella

Executive Director
Jeffrey E. Fleck

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Andrew Richardson
David Stover
C. Jeffrey Vallet

March 4, 2016

Actuarial Review and Certification

This Report presents the results of the annual Actuarial Valuation of the West Virginia Judges Retirement System (JRS) as of July 1, 2014. The purposes of the Actuarial Valuation are to determine the actuarial liabilities for the Plan and to determine if the expected contributions will be sufficient to meet or exceed the Plan's long term funding policy.

Some key highlights are:

- The member contribution rate decreased from 10.5% of salary to 7.0% of salary effective July 1, 2013.
- The valuation indicates that the recommended State contribution for Fiscal Year 2016, projected from the FY2015 valuation results, is \$739,000.
- The yield on investments for the year ending June 30, 2014 for valuation purposes (assuming mid-year transactions) was 17.94%, which is higher than the valuation assumed return of 7.50%. The yield on a time-weighted basis (excluding administrative expense) determined by the Investment Management Board was 13.00%

This report contains supporting data and background information pertaining to the development of costs and related liabilities of the plan. The valuation is based on membership data as of June 30, 2014 maintained by the West Virginia Consolidated Public Retirement Board (CPRB), and financial information received from the West Virginia Investment Management Board.

In performing the valuation, we relied on employee data and asset information provided by the administrative staff of the CPRB. In the case of employee data, each individual record was audited for reasonableness and internal consistency, although the validity of the information was not traced to source documents. With respect to plan assets, a general review for consistency with the information furnished from prior valuations was performed.

Certain tables presented in the Comprehensive Annual Financial Report are derived from the most recent valuations reported by Buck Consultants. The tables were prepared by the staff of the CPRB and examined by our internal actuarial staff. These tables include-

Financial Section

- Schedule of Employer Contributions

Actuarial Section

- Summary of Actuarial Assumptions and Methods
- Schedule of Active Member Valuation Data
- Solvency Test
- Schedule of Retirees and Beneficiaries
- Schedule of Funding Progress
- Changes in Unfunded Actuarial Liability

The Actuary hereby certifies that this Actuarial Valuation Report was completed in compliance with actuarial standards applicable to the purposes of the Actuarial Valuation. The Actuary further certifies that the actuarial methods and assumptions applied in completing the Actuarial Valuation as reasonable and appropriate for the purposes stated herein.

Respectfully Submitted:

Harry W. Mandel

Harry W. Mandel
Board Actuary
Member, American Academy of Actuaries
Member Society of Pension Actuaries
Enrolled Actuary #14-2527

SUMMARY OF ACTUARIAL METHODS AND ASSUMPTIONS

Valuation Date: July 1, 2014

Funding Method and Basis for Assumptions

The valuation is prepared under the Entry Age Normal Cost Method with individually computed accrued liabilities. The Normal Cost is computed in aggregate. Entry is based on date of hire. Active liabilities include amounts calculated for judges currently participating in the Public Employees' Retirement System (PERS) who may in the future transfer into the Judges' Retirement System (JRS) with an adjustment for the anticipated transfer of required member contributions.

Experience studies are performed at least once in every five-year period. This valuation was prepared on the basis of assumptions that were recommended to and adopted by the Board on the basis of an experience study covering the period from July 1, 2007, to June 30, 2012. These assumptions will remain in effect for valuation purposes until such time as the Board adopts revised assumptions.

Interest Rate and Expenses

The valuation interest assumption is 7.50% annually, with no loading for plan expenses.

Salary Scales and Normal Cost

4.25% annually from the current valuation date. Increases are assumed to be delayed, occurring every few years. Missed increases are assumed to be made up at the CPI-U inflation rate for such missed year not less than 0%, but not more than the 3.0% inflation rate assumption. The valuation year salary scale increase of 4.25% is adjusted to include the missed inflation increases at the end of the valuation year. Retiree COLA increases are adjusted consistent with the salary scale adjustments since they are tied to current salaries. The most recent pay increase occurred at July 1, 2011.

Automatic Cost-of-Living Increases to Pensions

Pensions for judges appointed or elected prior to July 2, 2005 are assumed to increase at the same time as active salaries increase, and by the same percentage.

Post-Retirement Mortality

Post-retirement mortality tables are as follows:

Healthy: RP-2000 Healthy Annuitants, projected to 2025 using Scale BB

Disabled: RP-2000 Healthy Annuitants, projected to 2025 using Scale BB, set forward 1 year

No pre-retirement mortality is assumed due to the small number of active members.

Withdrawal from Service

No withdrawal is assumed due to the small number of active members.

Retirement Rates and Service

For those eligible to retire prior to age 65, 5% are assumed to retire each year through age 64 with 100% retiring at age 65. For those first eligible at age 65 or later, 100% are assumed to retire when they become eligible.

In determining eligibility, actual military service was provided both for judges participating in JRS and judges currently in PERS. No creditable prosecuting attorney service is assumed.

Transfers from PERS

It is assumed that all judges in PERS who earn sufficient service to vest under JRS will join JRS. Liabilities for potential transfers from PERS are included in this valuation and are calculated as if the judge had always been a member of JRS. Accumulated member contributions under PERS are treated as an offset to plan liabilities for valuation purposes. The shortfall of PERS accumulated member contributions versus the amount they would have contributed under the plan had they always been a participant under JRS is recognized in the development of the normal cost.

Family Composition

All judges are assumed to be married. Where spousal data is not available, it is assumed that male judges are five years older than their spouses and female judges are five years younger than their spouses. Surviving children's benefits were not explicitly valued.

Asset Valuation Method

Assets for valuation purposes are included at Market Value.

Plan Contributions

Plan contributions, both employee and employer, are assumed to be paid in the middle of the year.

ACTUARIAL SECTION
Judges' Retirement System

Schedule of Active Member Valuation Data

Valuation Date	Number	Annual Payroll	Annual Average Pay	% Increase (Decrease) in Average Pay
6/30/2014	49	\$ 9,248,000	\$ 188,734.69	4.26156%
6/30/2013	50	8,870,000	181,020.41	0.11287%
6/30/2012	50	8,860,000	180,816.33	2.04082%
6/30/2011	50	8,860,000	177,200.00	13.75485%
6/30/2010	53	8,256,000	155,773.58	3.33874%
6/30/2009	54	8,140,000	150,740.74	9.48365%
6/30/2008	60	8,261,000	137,683.33	0.00000%
6/30/2007	60	8,261,000	137,683.33	6.31918%
6/30/2006	62	8,029,000	129,500.00	-6.19398%
6/30/2005	59	8,145,000	138,050.85	28.77470%

Schedule of Funding Progress (in thousands)

Actuarial Valuation Date	Actuarial Value of Assets		Actuarial Accrued Liability (AAL)			Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)
	(a)	(b)	Entry Age	Unfunded AAL (UAAL)	(b-a)			
7/1/2014	\$ 165,239	\$ 106,029	\$ (59,210)	155.8%	\$ 9,248	0.0%		
7/1/2013	141,476	105,739	(35,737)	133.8%	8,870	0.0%		
7/1/2012	126,265	98,115	(28,150)	128.7%	8,860	0.0%		
7/1/2011	124,583	95,591	(28,992)	130.3%	8,860	0.0%		
7/1/2010	102,814	96,008	(6,806)	107.1%	8,256	0.0%		
7/1/2009	88,310	93,185	4,875	94.8%	8,140	59.9%		
7/1/2008	100,186	97,965	(2,221)	102.3%	8,261	0.0%		
7/1/2007	104,127	96,018	(8,109)	108.4%	8,261	0.0%		
7/1/2006	85,932	91,820	5,888	93.6%	8,029	73.3%		
7/1/2005	74,757	90,528	15,771	82.6%	8,145	193.6%		

Solvency Test

Valuation Date	Aggregate Accrued Liabilities For				Reported Assets	% of Accrued Liabilities Covered by Reported Assets			
	(1)		(2)			(1)		(2)	
	Active Member Contributions	Retirants and Beneficiaries	Active Members Portions)	(Employer Financed					
6/30/2014	\$ 4,690,799	\$ 49,709,000	\$ 51,629,201	\$ 165,239,000	100.0000%	100.0000%	100.0000%	100.0000%	
6/30/2013	4,534,056	52,408,000	48,796,944	141,476,000	100.0000%	100.0000%	100.0000%	100.0000%	
6/30/2012	6,729,965	48,319,000	43,066,035	126,265,000	100.0000%	100.0000%	100.0000%	100.0000%	
6/30/2011	6,908,063	48,143,000	40,539,937	124,583,000	100.0000%	100.0000%	100.0000%	100.0000%	
6/30/2010	7,170,009	48,116,000	40,721,991	102,814,000	100.0000%	100.0000%	100.0000%	100.0000%	
6/30/2009	7,023,660	49,555,000	26,606,340	88,310,000	100.0000%	100.0000%	100.0000%	86.6826%	
6/30/2008	5,999,595	41,887,000	50,078,405	100,186,000	100.0000%	100.0000%	100.0000%	100.0000%	
6/30/2007	6,448,155	44,809,000	44,760,845	104,127,000	100.0000%	100.0000%	100.0000%	100.0000%	
6/30/2006	6,484,380	41,407,000	43,928,620	85,932,000	100.0000%	100.0000%	100.0000%	86.5964%	
6/30/2005	7,874,414	41,017,000	41,636,526	74,757,000	100.0000%	100.0000%	100.0000%	100.0000%	

ACTUARIAL SECTION

Schedule of Retirees and Beneficiaries Added and Removed

Retirees Added			Retirees Removed			Retirees - Year End			% Increase	Average
Fiscal Year Ended	Number	Annual Allowances	Number	Annual Allowances	Number	Annual Allowances	in Annual Allowances	Annual Allowance		
2014	-	\$ -	4	\$ 289,800	53	\$ 4,195,905	1.140%	\$79,168.02		
2013	2	189,000	-	-	57	4,461,705	0.759%	78,275.53		
2012	-	-	(1)	87,199	55	4,272,705	1.818%	77,685.55		
2011	-	-	-	-	56	4,272,705	6.932%	76,298.30		
2010	1	72,533	(3)	196,813	56	3,995,663	-0.646%	71,351.13		
2009	9	774,607	-	-	58	4,165,281	2.417%	71,815.19		
2008	-	-	(4)	283,040	49	3,435,891	-1.026%	70,120.22		
2007	-	-	-	-	53	3,754,892	1.206%	70,847.02		
2006	-	-	-	-	53	3,710,165	0.502%	70,003.11		
2005	-	-	(4)	207,000	54	3,761,290	26.550%	69,653.52		

Changes in Unfunded Actuarial Liability

Funded in excess of Actuarial Liability, June 30, 2013 \$ (35,737,000)

Expected increase from amortization method	(2,680,000)
Expected increase from contributions below actuarial rates	(17,681,000)
Investment experience	(14,703,000)
Liability experience (including transfers)	11,591,000
Change in assumption	-

Funded in excess of Actuarial Liability, June 30, 2014 \$ (59,210,000)

Schedule of Contributions

The Schedule of Contributions is included in the Required Supplementary Information provided in the Financial Section of this Comprehensive Annual Financial Report.

Plan Provisions

A discussion of plan provisions is included in Note 2 to the financial statements included in the Financial Section.



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Joseph Bunn
Captain Michael G. Corsaro
Angela Crank
Joe Lynch
D. Todd Murray
Andrew Richardson
David Stover
C. Jeffrey Vallet

March 4, 2016

Actuarial Review and Certification

This Report presents the results of the annual Actuarial Valuation of the West Virginia Emergency Medical Services Retirement System (EMSRS) as of July 1, 2014. The purposes of the Actuarial Valuation are to determine the actuarial liabilities for the Plan and to determine if the expected contributions will be sufficient to meet or exceed the Plan's long term funding policy.

The July 1, 2014 Actuarial Valuation incorporates changes in actuarial assumptions approved by the Board as part of the 2013 Actuarial Assumption Review of EMSRS.

The Actuarial Accrued Liability (AAL) attributable to past years of employment totaled \$56,459,000. Assets in the EMSRS trust fund had a market value of \$53,647,000. The Unfunded Actuarial Accrued Liability (UAAL) was \$2,812,000. The resulting funded level for EMSRS is 95.0%. It is noted that the reduction in UAAL includes actuarial gains on investments due to an actuarial asset return rate of 17.4%, 9.9% above our 7.5% assumed rate.

The employer funding policy for EMSRS is to contribute at least the employer Normal Cost plus the amount necessary to fund the UAAL over 24 years from July 1, 2014. Funding payments are calculated as level dollar amortization payments. The actuarially required contribution (ARC) under the funding policy for FY2015 is \$1,198,000. The total expected employer contribution at the current 10.5% of payroll contribution rate is \$2,535,000. Expected EMSRS employer contributions exceed the ARC requirement by \$1,337,000. The current 10.5% contribution rate is sufficient to fund the ARC.

In performing the valuation, we relied on employee data and asset information provided by the administrative staff of the West Virginia Consolidated Public Retirement Board (CPRB). In the case of employee data, each individual record was audited for reasonableness and internal consistency, although the validity of the information was not traced to source documents. With respect to plan assets, a general review for consistency with the information furnished from prior valuations was performed.

Certain tables presented in the Comprehensive Annual Financial Report are derived from the most recent valuations reported by the Board Actuary. The tables were prepared by the staff of the CPRB and examined by our internal actuarial staff. These tables include-

Financial Section

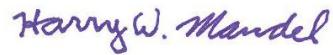
- Schedule of Employer Contributions

Actuarial Section

- Summary of Actuarial Assumptions and Methods
- Schedule of Active Member Valuation Data
- Solvency Test
- Schedule of Retirees and Beneficiaries
- Schedule of Funding Progress
- Changes in Unfunded Actuarial Liability

The Actuary hereby certifies that this Actuarial Valuation Report was completed in compliance with actuarial standards applicable to the purposes of the Actuarial Valuation. The Actuary further certifies that the actuarial methods and assumptions applied in completing the Actuarial Valuation as reasonable and appropriate for the purposes stated herein.

Respectfully Submitted:



Harry W. Mandel
Board Actuary
Member, American Academy of Actuaries
Member Society of Pension Actuaries
Enrolled Actuary #14-2527

SUMMARY OF ACTUARIAL METHODS AND ASSUMPTIONS

Actuarial Valuation Date

The initial actuarial valuation was completed on the effective date of the plan, January 1, 2008. Subsequent fiscal year valuations are completed each July 1 for the July 1 through June 30 year. This valuation was completed July 1, 2014.

Actuarial Cost Method

The valuation is completed applying the Entry Age Normal Cost Method with Aggregate Normal Cost determination. The Actuarial Accrued Liability and the Normal Cost are determined on a level percentage of aggregate expected future payroll basis.

The Actuarial Accrued Liability is determined on an individual basis as a level percentage of expected payroll for each member. Inactive liabilities are valued on an accrued benefit basis.

The Total Normal Cost percentage of payroll requirement is calculated by dividing the excess of the Actuarial Present Value of Future benefits over the Actuarial Accrued Liability on an aggregate basis by the aggregate Present Value of Future Compensation for all active members. The Employer Normal Cost Percentage is calculated by subtracting the member contribution rate from the Total Normal Cost Percentage. The Employer Normal Cost is the Employer Normal Cost Percentage multiplied by the expected payroll for the valuation year.

Asset Valuation Method

Trust Fund assets are valued at the reported market value of assets reported by the Investment Management Board for the Trust Fund as of the actuarial valuation date. The market value includes accrued amounts as reflected in the annual accounting for the Trust Fund and included in the CPRB annual report.

Amortization Method for Funding

The funding target for EMSRS is an Actuarial Required Contribution equal to the Employer Normal Cost plus amortization of the UAAL. The initial UAAL and subsequent experience through June 30, 2028 is to be fully amortized over 30 years from July 1, 2008 through June 30, 2038. Amortization payments are calculated as a level dollar amount each year over the remainder of the initial 30 year period. Experience on and after June 30, 2028 is amortized as a separate amortization item over 10 years from its determination.

Contributions in excess of the ARC, if any, shall be applied to improve the funded percentage of EMSRS until an actuarially acceptable funding level has been attained.

Interest Return and Discount Rate

The interest rate assumption is a net return rate of 7.50% annually, net of investment and administrative expenses. The rate is applied for both the net investment return expected to be earned to the interest return on Trust Fund assets and the discount rate on expected future benefit payments.

Healthy Life Mortality Rates (Modified July 1, 2013)

Active mortality is the RP2000 Non-Annuity Table projected to 2020 by Scale BB. Inactive, regular retiree and beneficiary members' mortality is the RP2000 Healthy Annuity Mortality Table projected to 2025 by scale BB with separate rates for males and females.

Disability Retirees Mortality Rates (Modified July 1, 2013)

For members receiving disability retirement benefits the RP2000 Healthy Annuitants Mortality Table projected to 2025 by scale BB with a set forward of 1 year and with separate rates for males and females.

Salary Scale (Modified July 1, 2013)

Annual salary increases are assumed by age on a unisex basis. Sample annual salary increases are as follows:

Age	Rate
Under 31	1.0475
40	1.0400
50	1.0375
60	1.0350

Payroll Growth Rate

Total annual payroll for the active membership is assumed to increase at 3.0% annually. This growth rate includes projected new hires and is an open group payroll projection rate. This open group growth rate is applied in certain projections contained in the actuarial valuation report tables. The rate does not impact EMSRS liabilities nor the ARC.

Withdrawal Rates (Modified July 1, 2013)

Withdrawal rates predict termination of employment prior to unreduced retirement eligibility. A sample of unisex rates by age are:

Age	Rate
30	0.0950
40	0.0650
50	0.0400
55	0.0000

Disability Rates (Modified July 1, 2013)

Disability rates predict an active member becoming disabled prior to unreduced retirement eligibility. A sample of disability rates by age and sex are:

Age	Males	Females
30	0.00030	0.00060
40	0.00113	0.00113
50	0.00488	0.00225
51+	0.00525	0.00285

It is assumed that members eligible for unreduced retirement will elect retirement prior to becoming disabled. It is also assumed that retired members will not become disabled following retirement due to duty related causes incurred prior to retirement.

Disability retirement benefits vary by duty and non-duty causes. Disability retirements are assumed to occur in the following percentages:

Duty Related Disability - 50%
Non-Duty Disability - 50%

Marriage Rate and Composition

In determining the value of pre-retirement spousal death benefits, it is assumed that 80% of all members will be married at death. Males are assumed to be three years older than their female spouse.

Cause of Death for Death Benefits

Deaths from active employment are assumed to be from duty related causes 25% of the time with non-duty causes accounting for the remaining 75%.

Accrual of Future Service

EMSRS employment is considered a full time professional position. All active members are assumed to complete sufficient hours to accrue one year of service in each future year of employment.

Non-Contributory Service Credits for Military Service and Unused Leave at Retirement

At Normal or Early retirement, members are assumed to convert a part of their unused sick leave to additional retirement service credits. In addition, allowable military service credits are expected to be claimed for qualifying members. It is assumed that male members will be credited with an additional 7% of their contributory service credits and female members will be credited with an additional 1.75% of their contributory service credits.

Retirement Rates

Members who become eligible for unreduced retirement benefits prior to age 65 are assumed to have a 30% probability of retiring in the year they first become eligible. For years following the year of first eligibility and prior to attaining age 65, an additional 20% are assumed to retire each year. At 65, 100% of remaining members are assumed to retire.

Members who first become eligible for unreduced retirement benefits on or after the attainment of age 65 are assumed to retire in the year they first become eligible.

Plan Contributions

Member and employer contributions are calculated as a percentage of total members' payroll. Amounts are deposited to the Trust Fund on a monthly basis. For interest calculation purposes, all amounts are treated as being deposited on an average of half way through the Plan year.

ACTUARIAL SECTION
Emergency Medical Services Retirement System

The EMSRS was established January 2008.

Schedule of Active Member Valuation Data

Valuation Date	Number	Annual Payroll	Annual Average Pay	% Increase (Decrease) in Average Pay
6/30/2014	546	\$ 24,145,000	\$ 44,221.61	2.57186%
6/30/2013	523	22,548,000	43,112.81	0.16333%
6/30/2012	494	21,263,000	43,042.51	2.40014%
6/30/2011	535	22,488,000	42,033.64	3.30336%
6/30/2010	525	21,362,000	40,689.52	2.23398%
6/30/2009	511	20,338,000	39,800.39	7.87553%
6/30/2008	475	17,525,000	36,894.74	100.00%

Schedule of Funding Progress (in thousands)

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) Entry Age (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)
7/1/2014	\$ 53,647	\$ 56,459	\$ 2,812	95.0%	\$ 24,145	11.6%
7/1/2013	42,903	50,950	8,047	84.2%	22,548	35.7%
7/1/2012	35,483	44,148	8,665	80.4%	21,263	40.8%
7/1/2011	32,366	39,225	6,859	82.5%	22,488	30.5%
7/1/2010	23,662	31,503	7,841	75.1%	21,362	36.7%
7/1/2009	17,173	29,969	9,796	63.7%	20,338	48.2%
7/1/2008	15,675	21,207	5,532	73.9%	17,525	31.6%
1/1/2008	14,323	19,492	5,169	73.5%	17,181	30.1%

Solvency Test

Valuation Date	Aggregate Accrued Liabilities For			Active Members (Employer Financed Portions)	Reported Assets	% of Accrued Liabilities Covered by Reported Assets		
	(1)		(2)					
	Active Member Contributions	Retirants and Beneficiaries	Portions			(1)	(2)	(3)
6/30/2014	\$ 16,157,820	\$ 19,879,000	\$ 20,422,180	\$ 53,647,000	\$ 53,647,000	100.0000%	100.0000%	86.2307%
6/30/2013	15,015,760	15,401,000	20,533,240	42,903,000	42,903,000	100.0000%	100.0000%	60.8099%
6/30/2012	13,417,080	10,034,000	20,696,920	35,483,000	35,483,000	100.0000%	100.0000%	58.1339%
6/30/2011	14,357,945	6,666,000	18,201,055	32,366,000	32,366,000	100.0000%	100.0000%	62.3154%
6/30/2010	13,615,555	1,341,000	16,546,445	23,662,000	23,662,000	100.0000%	100.0000%	52.6122%
6/30/2009	13,025,995	1,413,000	12,530,005	17,173,000	17,173,000	100.0000%	100.0000%	21.8197%
6/30/2008	10,803,500	143,000	10,260,500	15,675,000	15,675,000	100.0000%	100.0000%	46.0845%

ACTUARIAL SECTION

Schedule of Retirees and Beneficiaries Added and Removed

Retirees Added			Retirees Removed			Retirees - Year End			% Increase	Average
Fiscal Year Ended	Number	Annual Allowances	Number	Annual Allowances	Number	Annual Allowances	Annual Allowances	in Annual Allowances	Annual Allowance	
2014	10	\$ 255,922	-	\$ -	55	\$ 1,449,168	0.995%	\$26,348.51		
2013	11	304,129	-	-	45	1,174,004	8.265%	26,088.98		
2012	14	232,740	-	-	34	819,312	-9.448%	24,097.41		
2011	20	433,704	-	-	20	532,236	100.000%	26,611.80		
2010	-	-	-	-	-	-	0.000%	-		
2009	-	-	-	-	-	-	0.000%	-		

Changes in Unfunded Actuarial Liability

Unfunded Actuarial Liability, June 30, 2013 **\$ 8,047,000**

Expected increase from amortization method	(92,000)
Expected increase from contributions below actuarial rates	(807,000)
Investment experience	(4,456,000)
Liability experience (including transfers)	120,000
Change in assumption	-

Unfunded Actuarial Liability, June 30, 2014 **\$ 2,812,000**

Schedule of Contributions

The Schedule of Contributions is included in the Required Supplementary Information provided in the Financial Section of this Comprehensive Annual Financial Report.

Plan Provisions

A discussion of plan provisions is included in Note 2 to the financial statements included in the Financial Section.

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State of West Virginia Consolidated Public Retirement Board

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Auditor Glen B. Gainer III, Vice Chairman
Treasurer John D. Perdue
Acting Cabinet Secretary Jason Pizatella

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March 4, 2016

Actuarial Review and Certification

This Report presents the results of the annual Actuarial Valuation of the West Virginia Municipal Police and Fire Retirement System (MPFRS) as of July 1, 2014. The purposes of the Actuarial Valuation are to determine the actuarial liabilities for the Plan and to determine if the expected contributions will be sufficient to meet or exceed the Plan's long term funding policy.

MPFRS was first effective January 1, 2010. Six members joined the plan during April of 2010, resulting in limited experience being reflected in the July 1, 2010 Actuarial Valuation. For the July 1, 2014 Actuarial Valuation the number of active members has increased to 97. Terminated members still entitled to a refund of member contributions total 22 for a total plan membership of 119 on July 1, 2014.

The July 1, 2014 Actuarial Valuation reflects a continuation of the actuarial assumption reviewed and modified at July 1, 2013. The Actuarial Accrued Liability (AAL) attributable to past years of employment totaled \$568,000. Assets in the MPFRS trust fund had a market value of \$1,201,000. The Actuarial Accrued Liability remains fully funded since the July 1, 2011 valuation date. The funded percentage is 211.4%, recognizing \$633,000 of pre-funding.

The funding policy for MPFRS is to contribute at least the employer Normal Cost plus the amount necessary to fund the UAAL over 30 years from July 1, 2010. Funding payments are calculated as level dollar amortization payments. The actuarially required contribution (ARC) under the funding policy for FY2015 is \$178,000. The total expected employer contribution at the current 8.5% of payroll contribution rate is \$322,000. Benefits are not payable prior to January 1, 2017, extended from January 1, 2013. Membership must reach 100 by January 1, 2017, extended from 2014 under statute. If not met, the Plan will be merged into the Emergency Medical Services Retirement System. Membership has reached 119 members as of this valuation date of July 1, 2014.

In performing the valuation, we relied on employee data and asset information provided by the administrative staff of the West Virginia Consolidated Public Retirement Board (CPRB). In the case of employee data, each individual record was audited for reasonableness and internal consistency, although the validity of the information was not traced to source documents. With respect to plan assets, a general review for consistency with the information furnished from prior valuations was performed.

Certain tables presented in the Comprehensive Annual Financial Report are derived from the most recent valuations reported by the Board Actuary. The tables were prepared by the staff of the CPRB and examined by our internal actuarial staff. These tables include-

Financial Section

- Schedule of Employer Contributions

Actuarial Section

- Summary of Actuarial Assumptions and Methods
- Schedule of Active Member Valuation Data
- Solvency Test
- Schedule of Retirees and Beneficiaries
- Schedule of Funding Progress
- Changes in Unfunded Actuarial Liability

The Actuary hereby certifies that this Actuarial Valuation Report was completed in compliance with actuarial standards applicable to the purposes of the Actuarial Valuation. The Actuary further certifies that the actuarial methods and assumptions applied in completing the Actuarial Valuation as reasonable and appropriate for the purposes stated herein.

Respectfully Submitted:

Harry W. Mandel

Harry W. Mandel
Board Actuary
Member, American Academy of Actuaries
Member Society of Pension Actuaries
Enrolled Actuary #14-2527

SUMMARY OF ACTUARIAL METHODS AND ASSUMPTIONS

Actuarial Valuation Date

The initial actuarial valuation was completed on July 1, 2010, the first fiscal year with active members following the January 1, 2010 effective date. Subsequent valuations are completed each July 1 and this valuation was performed July 1, 2014. Actuarial calculations verify the adequacy of the funding through employer and member contribution for the fiscal year corresponding to the Plan year.

Actuarial Cost Method

The valuation is completed applying the Entry Age Normal Cost Method with Aggregate Normal Cost determination. The Actuarial Accrued Liability and the Normal Cost are determined on a level percentage of aggregate expected future payroll.

Under the method, the Actuarial Accrued Liability is determined on an individual basis as a level percentage of expected compensation for each member. Inactive liabilities are valued on an accrued benefit basis.

The Total Normal Cost percentage of payroll requirement is calculated by dividing the excess of the Actuarial Present Value of Future benefits over the Actuarial Accrued Liability on an aggregate basis by the aggregate Present Value of Future Compensation for all active members. The Employer Normal Cost Percentage is calculated by subtracting the member contribution rate from the Total Normal Cost Percentage. The Employer Normal Cost is the Employer Normal Cost Percentage multiplied by the expected payroll for the valuation year.

Asset Valuation Method

Trust Fund assets are valued at the reported market value of assets reported by the Investment Management Board for the Trust Fund as of the actuarial valuation date. The market value includes accrued amounts as reflected in the annual accounting for the Trust Fund and included in the CPRB annual report.

Amortization Method for Funding

The funding target (the ARC) for MPFRS is equal to the Employer Normal Cost plus amortization of the UAAL. The initial UAAL was to be fully amortized over 30 years from July 1, 2010. Amortization payments were calculated as a level dollar amount each year over the 30 year period. Experience at July 1, 2014 demonstrates that the AAL was fully funded and that amortization for an UAAL component does not apply.

Contributions in excess of the ARC, if any, shall be applied to improve the funded percentage of MPFRS until an actuarially acceptable funding level has been attained.

Interest Return and Discount Rate

The interest rate and return rate assumption is 7.50% annually, net of investment and administrative expenses. This rate is applied for both the net interest return expected to be earned on Trust Fund assets and the annual discount rate on expected future benefit payments.

Healthy Life Mortality Rates (Effective July 1, 2013)

Active members' mortality of the RP2000 Non-annuitant Mortality Table projected to 2020 by Scale BB and with separate rates for males and females. Retired members' mortality of the RP2000 Healthy Annuitant Mortality Table projected to 2025 by Scale BB and with separate rates for males and females.

Disability Retirees Mortality Rates (Effective July 1, 2013)

Members receiving disability retirement benefits mortality of the RP2000 Healthy Annuitant Mortality Table projected to 2025 by Scale BB, Set Forward 1 year and with separate rates for males and females.

Salary Scale (Modified July 1, 2013)

Annual salary increase factors are assumed by age on a unisex basis with sample annual salary increases as follows:

Age	Rate
Under 31	1.0475
40	1.0400
50	1.0375
60	1.0350

Payroll Growth Rate

Total annual payroll for the active membership is assumed to increase at 3.0% annually. This growth rate is applied in certain projections contained in the actuarial valuation report tables. The rate does not impact MPFRS liabilities nor the ARC. The growth rate was set based on current limited employer participation in MPFRS. The growth rate will need to be increased if additional employers begin participating in MPFRS.

Withdrawal Rates (Modified July 1, 2013)

Withdrawal rates predict termination of employment prior to unreduced retirement eligibility. A sample of unisex rates by age are:

Age	Rate
30	0.0950
40	0.0650
50	0.0400
55	0.0000

Disability Rates (Adopted July 1, 2013)

Disability rates predict an active member becoming disabled prior to unreduced retirement eligibility. A sample of disability rates by age and sex are:

Age	Males	Females
30	0.00200	0.00220
40	0.00600	0.00600
50	0.00400	0.00400
51+	0.00400	0.00400

It is assumed that members eligible for unreduced retirement will elect retirement prior to becoming disabled. It is also assumed that retired members will not become disabled following retirement due to duty related causes incurred prior to retirement.

Disability retirement benefits vary by duty and non-duty causes. Disability retirements are assumed to occur in the following percentages:

Duty Related Disability -	75%
Non-Duty Disability -	25%

Marriage Rate and Composition (Modified July 1, 2013)

In determining the value of pre-retirement spousal death benefits, it is assumed that 90% of all members will be married at death. Males are assumed to be three years older than their female spouse.

Cause of Death for Death Benefits

Deaths from active employment are assumed to be from duty related causes 25% of the time with non-duty causes accounting for the remaining 75%.

Accrual of Future Service

MPFRS employment is considered a full time professional position. All active members are assumed to complete sufficient hours to accrue one year of service in each future year of employment.

Non-Contributory Service Credits for Military Service

At Normal retirement, qualifying members are assumed to claim up to 2 allowable military service years as additional retirement service credits. It is assumed that male members will be credited with an additional 2% of their contributory service credits and female members will be credited with an additional 0.5% of their contributory service credits.

Retirement Rates (Modified July 1, 2013)

Members who become eligible for unreduced retirement benefits prior to age 65 are assumed to have a 20% probability of retiring in the year they first become eligible. For years following the year of first eligibility and prior to attaining age 65, an additional 20% are assumed to retire each year. At 65, 100% of remaining members are assumed to retire.

Members who first become eligible for unreduced retirement benefits on or after the attainment of age 65 are assumed to retire in the year they first become eligible.

Plan Contributions

Member and employer contributions are calculated as a percentage of total members' payroll. Amounts are deposited to the Trust Fund on a monthly basis. For interest calculation purposes, all amounts are treated as being deposited on an average of half way through the Plan year.

ACTUARIAL SECTION
Municipal Police Officers & Firefighters' Retirement System

The MPFRS was established January 2010.

Schedule of Active Member Valuation Data

Valuation Date	Number	Annual Payroll	Annual Average Pay	% Increase (Decrease) in Average Pay
6/30/2014	97	\$ 3,784,000	\$ 39,010.31	2.15466%
6/30/2013	48	1,833,000	38,187.50	6.73525%
6/30/2012	27	966,000	35,777.78	-6.12245%
6/30/2011	9	343,000	38,111.11	9.82027%
6/30/2010	6	208,000	34,703.17	100.00%

Schedule of Funding Progress (in thousands)

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) Entry Age (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)
7/1/2014	\$ 1,201	\$ 568	\$ (633)	211.4%	\$ 3,784	-16.7%
7/1/2013	529	264	(265)	200.4%	1,833	-14.5%
7/1/2012	202	90	(112)	224.4%	966	-11.6%
7/1/2011	65	23	(42)	282.6%	343	-12.2%
7/1/2010	3	4	1	79.7%	208	0.3%

Solvency Test

Valuation Date	Aggregate Accrued Liabilities For				% of Accrued Liabilities Covered by Reported Assets			
	Active Member Contributions	Active Members			Reported Assets	(1)	(2)	(3)
		Retirants and Beneficiaries	(Employer Financed Portions)			(1)	(2)	(3)
6/30/2014	\$ 2,727,480	\$ 35,000	\$ (2,194,480)	\$ 1,201,000	44.0330%	0.0000%	0.0000%	0.0000%
6/30/2013	1,328,720	19,000	(1,083,720)	529,000	39.8130%	0.0000%	0.0000%	0.0000%
6/30/2012	665,380	4,000	(579,380)	202,000	30.3590%	0.0000%	0.0000%	0.0000%
6/30/2011	238,850	6,000	(221,850)	65,000	27.2140%	0.0000%	0.0000%	0.0000%
6/30/2010	144,665	-	(141,127)	3,000	2.0740%	0.0000%	0.0000%	0.0000%

Schedule of Retirees and Beneficiaries Added and Removed

Fiscal Year Ended	Retirees Added		Retirees Removed		Retirees - Year End		% Increase in Annual Allowances	Average Annual Allowance
	Number	Annual Allowances	Number	Annual Allowances	Number	Annual Allowances		
2014	-	\$ -	-	\$ -	-	\$ -	0.000%	\$ -
2013	-	-	-	-	-	-	0.000%	-
2012	-	-	-	-	-	-	0.000%	-
2011	-	-	-	-	-	-	0.000%	-
2010	-	-	-	-	-	-	0.000%	-

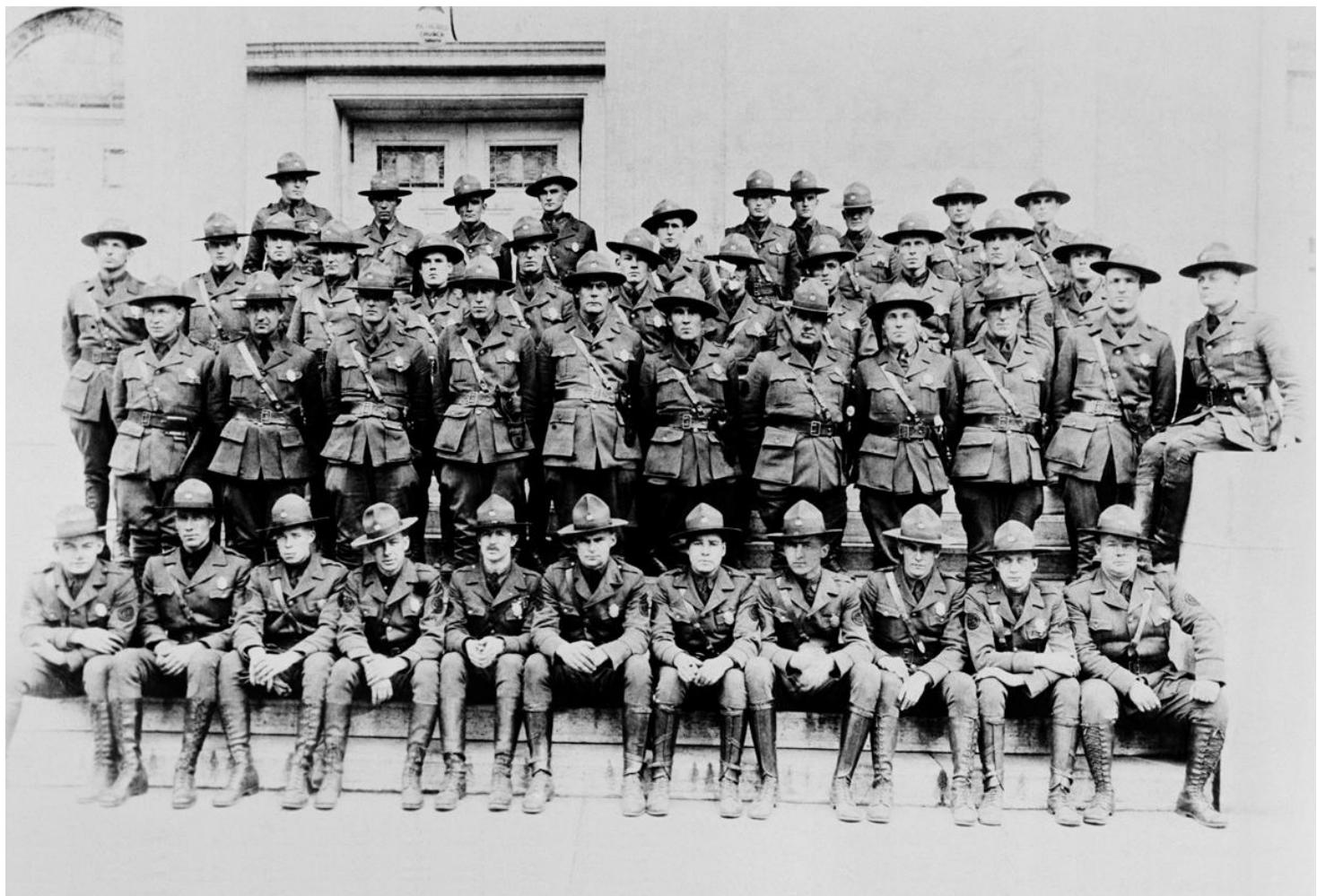
Changes in Unfunded Actuarial Liability	
Unfunded Actuarial Liability, June 30, 2013	\$ <u>(265,000)</u>
Expected increase from amortization method	(20,000)
Expected increase from contributions below actuarial rates	(68,000)
Investment experience	(61,000)
Liability experience (including transfers)	(21,000)
Change in assumption	(198,000)
Unfunded Actuarial Liability, June 30, 2014	\$ <u>(633,000)</u>

Schedule of Contributions

The Schedule of Contributions is included in the Required Supplementary Information provided in the Financial Section of this Comprehensive Annual Financial Report.

Plan Provisions

A discussion of plan provisions is included in Note 2 to the financial statements included in the Financial Section.



Group of West Virginia State Police

(undated)

STATISTICAL SECTION

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STATISTICAL SECTION

Overview

The statistical section of the comprehensive annual financial report provides information to the reader to assist in understanding the information in the financial statements, note disclosures, and required supplementary information regarding the Retirement Systems' overall financial health.

Financial Trends

These schedules contain trend information to help the reader understand how the Retirement Systems' financial performance has changed over time.

- Additions by Source, Deductions by Type, and Changes in Plan Net Position
- Benefit by Type

Retirees and Beneficiaries

These schedules provide information concerning the retirees and beneficiaries receiving benefits.

- Retired Members by Type of Benefit
- Average Monthly Benefit Payments

Participating Units

This schedule provides information concerning units participating in the various Retirement Systems.

- Largest Employers

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STATISTICAL SECTION
Additions by Source, Deductions by Type, and Change in Plan Net Position

Public Employees Retirement System
(in thousands)

Additions					
Fiscal Year	Member Contributions	Employer Contributions	Investment Income	Other Income	
2015	\$ 61,838	\$ 189,947	\$ 219,329	\$ 17	
2014	60,899	194,728	864,023	50	
2013	60,943	187,866	565,355	16	
2012	59,200	191,012	46,122	1,859	
2011	57,714	160,493	757,302	1,030	
2010	56,974	139,284	518,862	1,128	
2009	56,360	131,143	(619,017)	4,118	
2008	53,958	125,992	(276,789)	3,308	
2007	52,239	121,183	345,498	4,600	
2006	52,248	133,594	320,691	-	

Deductions					
Fiscal Year	Benefit Payments	Service Transfers to (from)	Administrative Expenses	Refunds	Total Change in Plan Net Position
2015	\$ 363,495	\$ (265)	\$ 4,785	\$ 10,669	\$ 92,447
2014	342,683	(83)	4,695	10,929	761,476
2013	322,731	112	4,593	10,413	476,331
2012	304,263	(96)	4,505	10,844	(21,323)
2011	284,587	(368)	4,403	9,880	678,037
2010	265,263	(188)	4,340	8,515	438,318
2009	248,770	(56)	4,257	10,422	(390,789)
2008	232,807	14,263	4,188	9,448	(354,237)
2007	217,540	(443)	4,097	9,216	593,110
2006	199,255	(578)	3,179	9,142	295,535

STATISTICAL SECTION
Additions by Source, Deductions by Type, and Change in Plan Net Position

Teachers' Defined Benefit Retirement System
(in thousands)

Fiscal Year	Additions				
	Member Contributions	Employer Contributions	Investment Income	Other Income	
2015	\$ 94,694	\$ 490,640	\$ 255,988	\$ 3,460	
2014	90,612	514,248	1,003,180	3,775	
2013	91,818	486,783	654,696	4,007	
2012	91,976	482,236	46,118	38,874	
2011	87,697	501,103	828,928	60,569	
2010	103,706	417,403	533,448	39,818	
2009	115,925	368,330	(575,596)	41,963	
2008	52,916	368,883	(271,361)	3,625	
2007	49,923	1,482,184	366,641	4,399	
2006	48,201	658,644	147,173	72,844	

Fiscal Year	Deductions					Total Change in Plan Net Position
	Benefit Payments	Service Transfers to (from)	Administrative Expenses	Refunds		
2015	\$ 710,833	\$ 262	\$ 4,432	\$ 8,006	\$	121,249
2014	668,923	265	4,348	7,287		930,992
2013	618,628	(35)	4,276	7,731		606,704
2012	577,427	53	4,209	7,783		69,732
2011	535,010	418	4,130	7,614		931,125
2010	494,230	62	4,067	7,247		588,769
2009*	463,528	(698,268)	3,964	5,143		176,255
2008	434,285	436	3,071	3,748		(287,477)
2007	404,875	449	2,968	3,326		1,491,529
2006	372,687	790	2,282	3,994		547,109

* See discussion later in this section of transfers of Teachers' Defined Contribution Retirement System members to the Teachers' Defined Benefit Retirement System as permitted by the West Virginia legislature.

STATISTICAL SECTION
Additions by Source, Deductions by Type, and Change in Plan Net Position

State Police Death, Disability, and Retirement System
(in thousands)

Fiscal Year	Additions			
	Member Contributions	Employer Contributions	Investment Income	Other Income
2015	\$ 445	\$ 21,668	\$ 22,866	\$ 861
2014	545	26,218	90,872	739
2013	628	16,312	60,742	811
2012	724	1,207	4,381	22,767
2011	833	1,389	82,228	24,356
2010	909	1,514	3/44	10,655
2009	968	1,688	(72,882)	1,917
2008	989	1,701	(33,920)	3,656
2007	1,029	5,360	78,121	680
2006	989	77,630	35,899	616

Deductions						Total Change in Plan Net Position
Fiscal Year	Benefit Payments	Service Transfers to (from)	Administrative Expenses	Refunds		
2015	\$ 39,708	\$ -	\$ 51	\$ -	\$ -	6,081
2014	37,566	-	53	-	-	80,755
2013	35,464	-	52	-	-	42,977
2012	33,631	-	50	47	(4,649)	
2011	31,206	-	50	-	-	77,550
2010	29,347	-	50	-	-	41,517
2009	27,823	-	51	72	(96,255)	
2008	26,202	-	51	-	-	(53,827)
2007	24,794	-	51	130	60,215	
2006	23,699	-	41	(10)	91,404	

STATISTICAL SECTION
Additions by Source, Deductions by Type, and Change in Plan Net Position

State Police Retirement System
(in thousands)

Fiscal Year	Additions				
	Member Contributions	Employer Contributions	Investment Income	Other Income	
2015	\$ 3,609	\$ 4,060	\$ 4,972	\$ -	-
2014	3,630	4,049	17,756	-	
2013	3,517	4,193	10,495	-	
2012	3,375	4,544	824	79	
2011	3,065	4,570	11,222	126	
2010	3,005	3,396	6,476	143	
2009	2,594	2,594	(6,107)	176	
2008	2,339	2,339	(2,834)	-	
2007	2,176	2,175	5,632	-	
2006	1,874	1,821	2,408	-	

Fiscal Year	Deductions				Total Change in Plan Net Position
	Benefit Payments	Service Transfers to (from)	Administrative Expenses	Refunds	
2015	\$ 633	\$ -	\$ 45	\$ 418	\$ 11,545
2014	682	-	43	230	24,480
2013	577	-	42	229	17,357
2012	477	-	39	327	7,989
2011	443	-	37	482	18,021
2010	369	-	35	202	12,414
2009	298	-	34	168	(1,243)
2008	232	-	32	366	1,214
2007	135	-	31	214	9,603
2006	118	-	21	514	5,450

STATISTICAL SECTION
Additions by Source, Deductions by Type, and Change in Plan Net Position

Deputy Sheriffs Retirement System
(in thousands)

Fiscal Year	Additions				
	Member Contributions	Employer Contributions	Investment Income	Other Income	
2015	\$ 4,068	\$ 5,972	\$ 6,534	\$ 506	
2014	3,908	5,977	24,438	556	
2013	3,731	5,704	15,344	522	
2012	3,567	5,431	1,253	534	
2011	3,505	4,221	19,072	542	
2010	3,335	4,053	12,446	549	
2009	3,160	3,962	(13,580)	555	
2008	3,006	3,724	(6,354)	553	
2007	2,837	3,365	13,710	541	
2006	2,674	3,212	6,466	550	

Fiscal Year	Deductions					Total Change in Plan Net Position
	Benefit Payments	Service Transfers to (from)	Administrative Expenses	Refunds		
2015	\$ 7,554	\$ -	\$ 96	\$ 817	\$	8,613
2014	6,955	(2)	97	839		26,990
2013	6,316	-	91	664		18,230
2012	5,985	-	86	762		3,952
2011	5,714	-	85	659		20,882
2010	5,327	-	81	503		14,472
2009	5,018	-	48	633		(11,632)
2008	4,434	-	74	552		(4,131)
2007	3,891	18	71	389		16,084
2006	3,449	-	53	415		8,985

STATISTICAL SECTION
Additions by Source, Deductions by Type, and Change in Plan Net Position

Judges Retirement System
(in thousands)

Fiscal Year	Additions				Other Income
	Member Contributions	Employer Contributions	Investment Income		
2015	\$ 413	\$ 2,845	\$ 6,525	\$ -	-
2014	474	2,456	25,263		-
2013	688	2,422	16,381		-
2012	706	3,954	1,251		-
2011	622	3,954	21,214		-
2010	649	3,954	14,034		-
2009	748	6,034	(14,927)		-
2008	736	6,034	(7,035)		-
2007	733	6,034	15,212		-
2006	865	6,758	7,088		-

Fiscal Year	Deductions				Total Change in Plan Net Position	
	Benefit Payments	Service Transfers to (from)	Administrative Expenses	Refunds		
2015	\$ 4,244	\$ -	\$ 6	\$ 69	\$ 5,464	
2014	4,374	(32)	7	81	23,763	
2013	4,351	(77)	6	-	15,211	
2012	4,274	(51)	6	-	1,682	
2011	4,014	-	7	-	21,769	
2010	3,937	103	7	86	14,504	
2009	3,719	5	7	-	(11,876)	
2008	3,669	-	7	-	(3,941)	
2007	3,801	(24)	7	-	18,195	
2006	3,737	(207)	6	-	11,175	

STATISTICAL SECTION
Additions by Source, Deductions by Type, and Change in Plan Net Position

Emergency Medical Services Retirement System*
(in thousands)

Fiscal Year	Additions				Other Income
	Member Contributions	Employer Contributions	Investment Income		
2015	\$ 2,071	\$ 2,607	\$ 2,144	\$ -	-
2014	2,077	2,442	7,874	1	
2013	1,902	2,308	4,682	1	
2012	1,838	2,272	361	-	
2011	1,894	2,264	5,109	45	
2010	1,772	2,190	2,704	29	
2009	1,749	2,030	(2,154)	-	
2008	722	917	(621)	-	
2007	-	-	-	-	
2006	-	-	-	-	

Fiscal Year	Deductions					Total Change in Plan Net Position
	Benefit Payments	Service Transfers to (from)	Administrative Expenses	Refunds		
2015	\$ 1,600	\$ -	\$ 46	\$ 666	\$ 4,510	
2014	1,290	(140)	42	459	10,743	
2013	1,000	-	38	435	7,420	
2012	651	-	39	664	3,117	
2011	237	(43)	38	376	8,704	
2010	-	-	35	171	6,489	
2009	-	(28)	28	127	1,498	
2008	-	(14,673)	-	16	15,675	
2007	-	-	-	-	-	
2006	-	-	-	-	-	

*The EMSRS was established in January 2008.

STATISTICAL SECTION
 Additions by Source, Deductions by Type, and Change in Plan Net Position

Municipal Police Officers & Firefighters Retirement System*
 (in thousands)

Fiscal Year	Additions				Other Income
	Member Contributions	Employer Contributions	Investment Income		
2015	\$ 417	\$ 417	\$ 66		-
2014	279	279	125		-
2013	151	151	32		-
2012	72	72	4		-
2011	31	31	-		-
2010	2	1	-		-
2009	-	-	-		-
2008	-	-	-		-
2007	-	-	-		-
2006	-	-	-		-

Fiscal Year	Deductions					Total Change in Plan Net Position	
	Benefit Payments	Service Transfers to (from)	Administrative Expenses	Refunds			
2015	\$ -	\$ -	\$ 7	\$ 49	\$ 844		
2014	-	-	3	7	673		
2013	-	-	2	5	327		
2012	-	-	1	10	137		
2011	-	-	-	-	62		
2010	-	-	-	-	3		
2009	-	-	-	-	-		
2008	-	-	-	-	-		
2007	-	-	-	-	-		
2006	-	-	-	-	-		

*The MPFRS was established in January 2010.

STATISTICAL SECTION
Additions by Source, Deductions by Type, and Change in Plan Net Position

Teachers' Defined Contribution Retirement System
(in thousands)

Fiscal Year	Additions				
	Member Contributions	Employer Contributions	Investment Income	Other Income	
2015	\$ 6,504	\$ 11,194	\$ 15,530	\$ 354	
2014	6,632	10,284	51,102	258	
2013	6,861	11,236	37,681	261	
2012	7,008	11,749	4,119	397	
2011	6,755	12,817	40,593	256	
2010	6,932	10,129	22,139	6	
2009	6,250	10,342	(29,743)	-	
2008	34,110	52,982	(28,072)	-	
2007	30,599	55,072	94,294	-	
2006	28,459	46,331	46,288	-	

Fiscal Year	Deductions					Total Change in Plan Net Position
	Benefit Payments	Service Transfers to (from)	Administrative Expenses	Refunds and Forfeitures		
2015	\$ -	\$ 3	\$ 1,064	\$ 15,552	\$	16,963
2014	-	(8)	1,072	15,949		51,263
2013	-	-	836	13,644		41,559
2012	-	94	687	12,155		10,337
2011	-	(7)	437	11,286		48,705
2010	-	23	891	6,164		32,128
2009	-	698,347	986	6,480		(718,964)
2008	-	(26)	2,625	17,598		38,823
2007	-	-	2,182	18,233		159,550
2006	-	(8)	1,515	17,002		102,569

The TDCRS is a multiple employer defined contribution retirement system, which is a money purchase pension plan covering primarily full-time employees of the State's 55 county public school systems, the State Department of Education, and the Schools for the Deaf and Blind who were hired between July 1, 1991 and June 30, 2005. TDCRS benefits depend solely on amounts contributed to the plan plus investment earnings. TDCRS closed participation to new members effective June 30, 2005.

In 2008, the West Virginia Legislature provided an opportunity for members of the TDCRS to elect to transfer to the West Virginia Teachers' Retirement System (TRS). The transfer occurred on July 1, 2008 and a total of 15,152 TDCRS members transferred to TRS.

STATISTICAL SECTION

Benefits by Type

The following schedules provide information on the benefits provided by type of benefit for each plan.

Public Employees Retirement System
 (in thousands)

Fiscal Year	Age & Service Benefits		Disability Benefits	Death Benefits & Refunds	
	Retirants	Survivors		Death	Resignation
2015	\$ 297,192	\$ 28,795	\$ 30,480	\$ 1,123	\$ 9,653
2014	279,512	27,880	29,933	803	10,013
2013	261,647	26,821	29,157	1,161	9,175
2012	250,134	25,781	23,348	1,170	9,674
2011	232,491	24,651	27,445	952	8,982
2010	215,378	23,664	26,221	1,263	7,216
2009	201,606	22,459	24,705	1,255	9,167
2008	187,608	21,483	23,716	751	8,697
2007	173,991	20,708	22,841	605	8,611
2006	158,160	19,493	21,602	693	8,449

Teachers' Retirement System
 (in thousands)

Fiscal Year	Age & Service Benefits		Disability Benefits	Death Benefits & Refunds	
	Retirants	Survivors		Death	Resignation
2015	\$ 647,647	\$ 25,230	\$ 25,847	\$ 3,910	\$ 5,078
2014	606,990	24,327	25,183	2,418	5,666
2013	560,392	23,148	24,692	3,564	5,250
2012	531,367	22,121	23,939	3,109	4,674
2011	490,536	21,306	23,168	4,167	3,447
2010	451,233	20,568	22,429	4,145	3,102
2009	421,789	19,927	21,812	2,877	2,266
2008	394,064	19,157	21,064	2,562	1,186
2007	366,429	18,212	20,234	1,965	1,361
2006	336,737	16,958	18,992	2,212	1,782

State Police Death, Disability, and Retirement System
 (in thousands)

Fiscal Year	Age & Service Benefits		Disability Benefits	Death Benefits & Refunds	
	Retirants	Survivors		Death	Resignation
2015	\$ 29,994	\$ 2,320	\$ 7,148	\$ -	\$ -
2014	28,252	2,209	6,888	-	-
2013	26,656	2,044	6,685	-	-
2012	25,475	1,891	6,265	-	47
2011	23,398	1,765	6,043	-	-
2010	21,917	1,551	5,879	-	-
2009	20,897	1,388	5,538	-	72
2008	19,849	1,300	5,053	-	-
2007	18,961	1,213	4,620	-	130
2006	18,312	1,092	4,293	-	-

STATISTICAL SECTION

Benefits by Type

State Police Retirement System
(in thousands)

Fiscal Year	Age & Service Benefits		Disability Benefits	Death Benefits & Refunds	
	Retirants	Survivors		Death	Resignation
2015	\$ 319	\$ 21	\$ 292	\$ -	\$ 418
2014	316	22	290	-	230
2013	266	48	243	8	220
2012	243	26	207	-	*
2011	226	50	187	-	1
2010	150	34	185	-	*
2009	105	39	153	-	*
2008	90	34	109	-	*
2007	31	18	86	-	*
2006	29	18	71	-	1

* - under \$500,000

Deputy Sheriffs Retirement System
(in thousands)

Fiscal Year	Age & Service Benefits		Disability Benefits	Death Benefits & Refunds	
	Retirants	Survivors		Death	Resignation
2015	\$ 5,954	\$ 271	\$ 1,219	\$ -	\$ 821
2014	5,397	261	1,137	75	900
2013	5,028	250	976	-	669
2012	4,818	201	966	43	719
2011	4,635	175	904	35	624
2010	4,325	139	863	-	503
2009	4,031	100	887	90	543
2008	3,616	53	812	33	519
2007	3,156	28	706	9	380
2006	2,742	25	681	-	415

Judges Retirement System
(in thousands)

Fiscal Year	Age & Service Benefits		Disability Benefits	Death Benefits & Refunds	
	Retirants	Survivors		Death	Resignation
2015	\$ 3,284	\$ 866	\$ 47	\$ -	\$ 86
2014	3,299	969	95	-	81
2013	3,181	1,060	95	-	-
2012	3,098	1,056	121	-	-
2011	3,115	899	-	-	-
2010	3,065	872	-	-	86
2009	2,890	828	-	-	-
2008	2,815	854	-	-	-
2007	2,820	981	-	-	-
2006	2,718	1,019	-	-	-

STATISTICAL SECTION

Benefits by Type

Emergency Medical Services Retirement System*
(in thousands)

Fiscal Year	Age & Service Benefits		Disability Benefits	Death Benefits & Refunds	
	Retirants	Survivors		Death	Resignation
2015	\$ 1,279	\$ 20	\$ 261	\$ -	\$ 665
2014	1,019	22	228	11	446
2013	760	22	173	38	404
2012	517	13	121	32	632
2011	237	-	24	-	376
2010	-	-	-	-	171
2009	-	-	-	52	75
2008	-	-	-	-	16

*The EMSRS was established in January 2008.

Municipal Police Officers & Firefighters Retirement System**
(in thousands)

Fiscal Year	Age & Service Benefits		Disability Benefits	Death Benefits & Refunds	
	Retirants	Survivors		Death	Resignation
2015	\$ -	\$ -	\$ -	\$ -	\$ 49
2014	-	-	-	-	10
2013	-	-	-	2	2
2012	-	-	-	-	10
2011	-	-	-	-	-
2010	-	-	-	-	-

*The MPFRS was established in January 2010.

STATISTICAL SECTION
Retired Members by Type of Benefit

Public Employees Retirement System

Amount of Monthly Benefit	Number of Retirants	Type of Retirement			Maximum	Option Selected		
		A	B	C		Opt-1	Opt-2	Other
\$ 1 - 1,000	13,486	9,240	2,241	2,005	6,822	1,912	4,752	-
1,001 - 2,000	8,136	6,499	608	1,029	4,218	1,238	2,680	-
2,001 - 3,000	2,959	2,759	127	73	1,471	544	944	-
3,001 - 4,000	943	914	20	9	463	211	269	-
4,001 - 5,000	313	305	7	1	136	72	105	-
Over 5,000	119	119	-	-	73	20	26	-
Totals	<u>25,956</u>	<u>19,836</u>	<u>3,003</u>	<u>3,117</u>	<u>13,183</u>	<u>3,997</u>	<u>8,776</u>	<u>-</u>

Type of Retirement

A - Service
B - Survivor benefit
C - Disability

Option

Maximum - Life Annuity
Opt-1 - 100% Joint Survivorship
Opt-2 - 50% Joint Survivorship
Other

Teachers' Retirement System

Amount of Monthly Benefit	Number of Retirants	Type of Retirement			Maximum	Option Selected		
		A	B	C		Opt-1	Opt-2	Other
\$ 1 - 1,000	10,959	8,145	1,233	1,581	7,220	1,267	2,431	41
1,001 - 2,000	10,705	9,519	455	731	6,816	1,498	2,380	11
2,001 - 3,000	7,770	7,510	137	123	4,944	1,322	1,504	-
3,001 - 4,000	3,392	3,347	36	9	2,239	638	515	-
4,001 - 5,000	990	981	9	-	708	166	116	-
Over 5,000	444	442	1	1	310	80	54	-
Totals	<u>34,260</u>	<u>29,944</u>	<u>1,871</u>	<u>2,445</u>	<u>22,237</u>	<u>4,971</u>	<u>7,000</u>	<u>52</u>

Type of Retirement

A - Service
B - Survivor benefit
C - Disability

Option

Maximum - Life Annuity
Opt-1 - 100% Joint Survivorship
Opt-2 - 50% Joint Survivorship
Other

STATISTICAL SECTION
Retired Members by Type of Benefit

State Police Death, Disability, and Retirement System

Amount of Monthly Benefit	Number of Retirants	Type of Retirement			Maximum	Option Selected		
		A	B	C		Opt-1	Opt-2	Other
\$ 1 - 1,000	12	7	2	3	7	-	5	-
1,001 - 2,000	67	20	32	15	10	-	57	-
2,001 - 3,000	72	42	19	11	4	-	68	-
3,001 - 4,000	89	67	10	12	1	-	88	-
4,001 - 5,000	168	141	13	14	2	-	166	-
Over 5,000	342	272	4	66	-	-	342	-
Totals	<u>750</u>	<u>549</u>	<u>80</u>	<u>121</u>	<u>24</u>	<u>-</u>	<u>726</u>	<u>-</u>

Type of Retirement

A - Service
B - Survivor benefit
C - Disability

Option

Maximum - Life Annuity
Opt-1 - 100% Joint Survivorship
Opt-2 - 50% Joint Survivorship
Other

State Police Retirement System

Amount of Monthly Benefit	Number of Retirants	Type of Retirement			Maximum	Option Selected		
		A	B	C		Opt-1	Opt-2	Other
\$ 1 - 1,000	1	1	-	-	1	-	-	-
1,001 - 2,000	6	-	1	5	-	-	6	-
2,001 - 3,000	3	3	-	-	-	-	3	-
3,001 - 4,000	5	3	-	2	1	-	4	-
4,001 - 5,000	4	2	-	2	-	1	3	-
Over 5,000	-	-	-	-	-	-	-	-
Totals	<u>19</u>	<u>9</u>	<u>1</u>	<u>9</u>	<u>2</u>	<u>1</u>	<u>16</u>	<u>-</u>

Type of Retirement

A - Service
B - Survivor benefit
C - Disability

Option

Maximum - Life Annuity
Opt-1 - 100% Joint Survivorship
Opt-2 - 50% Joint Survivorship
Other

STATISTICAL SECTION
Retired Members by Type of Benefit

Deputy Sheriffs Retirement System

Amount of Monthly Benefit	Number of Retirants	Type of Retirement			Maximum	Option Selected		
		A	B	C		Opt-1	Opt-2	Other
\$ 1 - 1,000	41	32	7	2	17	4	18	2
1,001 - 2,000	154	120	11	23	53	31	70	-
2,001 - 3,000	111	90	2	19	32	28	49	2
3,001 - 4,000	29	23	-	6	8	5	16	-
4,001 - 5,000	6	5	-	1	4	-	2	-
Over 5,000	2	2	-	-	2	-	-	-
Totals	<u><u>343</u></u>	<u><u>272</u></u>	<u><u>20</u></u>	<u><u>51</u></u>	<u><u>116</u></u>	<u><u>68</u></u>	<u><u>155</u></u>	<u><u>4</u></u>

Type of Retirement

A - Service
B - Survivor benefit
C - Disability

Option

Maximum - Life Annuity
Opt-1 - 100% Joint Survivorship
Opt-2 - 50% Joint Survivorship
Other

Judges Retirement System

Amount of Monthly Benefit	Number of Retirants	Type of Retirement			Maximum	Option Selected		
		A	B	C		Opt-1	Opt-2	Other
\$ 1 - 1,000	-	-	-	-	-	-	-	-
1,001 - 2,000	-	-	-	-	-	-	-	-
2,001 - 3,000	-	-	-	-	-	-	-	-
3,001 - 4,000	3	-	3	-	-	1	2	-
4,001 - 5,000	16	-	16	-	-	1	15	-
Over 5,000	37	36	-	1	-	11	26	-
Totals	<u><u>56</u></u>	<u><u>36</u></u>	<u><u>19</u></u>	<u><u>1</u></u>	<u><u>-</u></u>	<u><u>13</u></u>	<u><u>43</u></u>	<u><u>-</u></u>

Type of Retirement

A - Service
B - Survivor benefit
C - Disability

Option

Maximum - Life Annuity
Opt-1 - 100% Joint Survivorship
Opt-2 - 50% Joint Survivorship
Other

STATISTICAL SECTION
Retired Members by Type of Benefit

Emergency Medical Services Retirement System

Amount of Monthly Benefit	Number of Retirants	Type of Retirement			Maximum	Option Selected		
		A	B	C		Opt-1	Opt-2	Other
\$ 1 - 1,000	8	7	-	1	8	-	-	-
1,001 - 2,000	23	22	1	-	13	1	9	-
2,001 - 3,000	19	16	-	3	14	2	3	-
3,001 - 4,000	12	9	-	3	8	2	2	-
4,001 - 5,000	4	3	-	1	2	-	2	-
Over 5,000	-	-	-	-	-	-	-	-
Totals	<u><u>66</u></u>	<u><u>57</u></u>	<u><u>1</u></u>	<u><u>8</u></u>	<u><u>45</u></u>	<u><u>5</u></u>	<u><u>16</u></u>	<u><u>-</u></u>

Type of Retirement

A - Service
B - Survivor benefit
C - Disability

Option

Maximum - Life Annuity
Opt-1 - 100% Joint Survivorship
Opt-2 - 50% Joint Survivorship
Other

Municipal Police Officers & Firefighters Retirement System*

Amount of Monthly Benefit	Number of Retirants	Type of Retirement			Maximum	Option Selected		
		A	B	C		Opt-1	Opt-2	Other
\$ 1 - 1,000	-	-	-	-	-	-	-	-
1,001 - 2,000	-	-	-	-	-	-	-	-
2,001 - 3,000	-	-	-	-	-	-	-	-
3,001 - 4,000	-	-	-	-	-	-	-	-
4,001 - 5,000	-	-	-	-	-	-	-	-
Over 5,000	-	-	-	-	-	-	-	-
Totals	<u><u>-</u></u>	<u><u>-</u></u>	<u><u>-</u></u>	<u><u>-</u></u>	<u><u>-</u></u>	<u><u>-</u></u>	<u><u>-</u></u>	<u><u>-</u></u>

Type of Retirement

A - Service
B - Survivor benefit
C - Disability

Option

Maximum - Life Annuity
Opt-1 - 100% Joint Survivorship
Opt-2 - 50% Joint Survivorship
Other

* This System was established in January 2010.

STATISTICAL SECTION

Largest Employers

Public Employees Retirement System

Units	2015	2014	2013
1) Unit	State of West Virginia	State of West Virginia	State of West Virginia
Number of Active Members	21,407	23,076	24,268
Percent of Active Members	60.70%	65.69%	66.35%
Total Active Members	35,267	35,127	36,573

Units	2012	2011	2010
1) Unit	State of West Virginia	State of West Virginia	State of West Virginia
Number of Active Members	23,971	23,971	23,758
Percent of Active Members	66.12%	66.12%	66.04%
Total Active Members	36,254	36,254	35,977

Units	2009	2008	2007
1) Unit	State of West Virginia	State of West Virginia	State of West Virginia
Number of Active Members	23,463	23,222	23,242
Percent of Active Members	65.69%	65.43%	64.79%
Total Active Members	35,717	35,491	35,873

Units	2006
1) Unit	State of West Virginia
Number of Active Members	23,342
Percent of Active Members	65.40%
Total Active Members	35,689

STATISTICAL SECTION

Largest Employers

Teachers Retirement System

Units	2015	2014	2013	2012
1) Unit	Kanawha County Board of Education			
Number of Active Members	3,262	3,277	3,254	3,549
Percent of Active Members	9.16%	9.31%	9.14%	9.91%
2) Unit	Berkeley County Board of Education			
Number of Active Members	2,190	2,247	2,092	2,109
Percent of Active Members	6.15%	6.31%	5.88%	5.89%
3) Unit	Raleigh County Board of Education	Wood County Board of Education	Wood County Board of Education	Wood County Board of Education
Number of Active Members	1,575	1,603	1,558	1,689
Percent of Active Members	4.48%	4.56%	4.44%	4.72%
4) Unit	Wood County Board of Education	Raleigh County Board of Education	Raleigh County Board of Education	Raleigh County Board of Education
Number of Active Members	1,564	1,512	1,446	1,561
Percent of Active Members	4.44%	4.30%	4.12%	4.36%
5) Unit	Cabell County Board of Education			
Number of Active Members	1,502	1,422	1,401	1,486
Percent of Active Members	4.27%	4.04%	3.99%	4.15%
6) Unit	Harrison County Board of Education			
Number of Active Members	1,450	1,392	1,393	1,432
Percent of Active Members	3.69%	3.96%	3.97%	4.00%
7) Unit	Monongalia County Board of Education			
Number of Active Members	1,298	1,288	1,251	1,443
Percent of Active Members	3.69%	3.66%	3.56%	4.03%
8) Unit	Mercer County Board of Education			
Number of Active Members	1,209	1,162	1,177	1,271
Percent of Active Members	3.44%	3.30%	3.35%	3.55%
9) Unit	Putnam County Board of Education	Jefferson County Board of Education	Jefferson County Board of Education	Marion County Board of Education
Number of Active Members	1,072	1,021	1,004	1,061
Percent of Active Members	3.05%	2.90%	2.86%	2.96%
0) Unit	Jefferson County Board of Education	Putnam County Board of Education	Putnam County Board of Education	Putnam County Board of Education
Number of Active Members	1,022	1,021	1,000	1,060
Percent of Active Members	2.90%	2.90%	2.85%	2.96%
Total Active Members	35,410	35,189	35,593	35,807

STATISTICAL SECTION

Largest Employers

Teachers Retirement System (Continued)

Units	2011	2010	2009	2008
1) Unit	Kanawha County Board of Education			
Number of Active Members	3,507	3,477	3,480	3,468
Percent of Active Members	9.78%	9.75%	9.75%	9.85%
2) Unit	Berkeley County Board of Education			
Number of Active Members	2,097	2,068	2,070	2,057
Percent of Active Members	5.85%	5.80%	5.80%	5.84%
3) Unit	Wood County Board of Education			
Number of Active Members	1,677	1,689	1,677	1,662
Percent of Active Members	4.68%	4.74%	4.70%	4.72%
4) Unit	Raleigh County Board of Education			
Number of Active Members	1,482	1,487	1,490	1,487
Percent of Active Members	4.13%	4.17%	4.17%	4.22%
5) Unit	Cabell County Board of Education			
Number of Active Members	1,399	1,421	1,432	1,433
Percent of Active Members	3.90%	3.98%	4.01%	4.07%
6) Unit	Harrison County Board of Education			
Number of Active Members	1,402	1,397	1,392	1,391
Percent of Active Members	3.91%	3.92%	3.90%	3.95%
7) Unit	Monongalia County Board of Education			
Number of Active Members	1,399	1,388	1,389	1,377
Percent of Active Members	3.90%	3.89%	3.89%	3.95%
8) Unit	Mercer County Board of Education			
Number of Active Members	1,119	1,116	1,119	1,115
Percent of Active Members	3.12%	3.13%	3.13%	3.17%
9) Unit	Marion County Board of Education			
Number of Active Members	1,058	1,052	1,051	1,048
Percent of Active Members	2.95%	2.95%	2.94%	2.98%
0) Unit	Putnam County Board of Education			
Number of Active Members	1,058	1,051	1,047	1,044
Percent of Active Members	2.95%	2.95%	2.93%	2.96%
Total Active Members	35,855	35,670	35,701	35,219

In July 2008, 15,152 members of the Teachers Defined Contribution Retirement System transferred to the Teachers Defined Benefit Retirement System.

STATISTICAL SECTION

Largest Employers

Teachers Retirement System (Continued)

Units	2007	2006
1) Unit	Kanawha County Board of Education	Kanawha County Board of Education
Number of Active Members	1,942	1,812
Percent of Active Members	9.94%	9.72%
2) Unit	Berkeley County Board of Education	Berkeley County Board of Education
Number of Active Members	1,037	1,001
Percent of Active Members	5.31%	5.37%
3) Unit	Wood County Board of Education	Wood County Board of Education
Number of Active Members	902	877
Percent of Active Members	4.62%	4.71%
4) Unit	Raleigh County Board of Education	Raleigh County Board of Education
Number of Active Members	727	694
Percent of Active Members	4.62%	3.72%
5) Unit	Cabell County Board of Education	Cabell County Board of Education
Number of Active Members	716	692
Percent of Active Members	3.67%	3.71%
6) Unit	Harrison County Board of Education	Harrison County Board of Education
Number of Active Members	667	671
Percent of Active Members	3.42%	3.60%
7) Unit	Monongalia County Board of Education	Monongalia County Board of Education
Number of Active Members	655	642
Percent of Active Members	3.35%	3.45%
8) Unit	Mercer County Board of Education	Mercer County Board of Education
Number of Active Members	577	568
Percent of Active Members	2.95%	3.05%
9) Unit	Marion County Board of Education	Marion County Board of Education
Number of Active Members	572	566
Percent of Active Members	2.93%	3.04%
0) Unit	Putnam County Board of Education	Putnam County Board of Education
Number of Active Members	568	565
Percent of Active Members	2.91%	3.03%
Total Active Members	19,529	18,633

STATISTICAL SECTION

Largest Employers

State Police Death, Disability, and Retirement System

Units	2015	2014	2013
1) Unit	State of West Virginia	State of West Virginia	State of West Virginia
Number of Active Members	51	73	99
Percent of Active Members	100.00%	100.00%	100.00%

Units	2012	2011	2010
1) Unit	State of West Virginia	State of West Virginia	State of West Virginia
Number of Active Members	108	133	147
Percent of Active Members	100.00%	100.00%	100.00%

Units	2009	2008	2007
1) Unit	State of West Virginia	State of West Virginia	State of West Virginia
Number of Active Members	163	173	191
Percent of Active Members	100.00%	100.00%	100.00%

Units	2006
1) Unit	State of West Virginia
Number of Active Members	204
Percent of Active Members	100.00%

STATISTICAL SECTION

Largest Employers

State Police Retirement System

	Units	2015	2014	2013	2012	2011
1) Unit		State of West Virginia 624	State of West Virginia 596	State of West Virginia 558	State of West Virginia 556	State of West Virginia 523
Number of Active Members						
Percent of Active Members		100.00%	100.00%	100.00%	100.00%	100.00%

	Units	2010	2009	2008	2007	2006
1) Unit		State of West Virginia 498	State of West Virginia 472	State of West Virginia 455	State of West Virginia 449	State of West Virginia 431
Number of Active Members						
Percent of Active Members		100.00%	100.00%	100.00%	100.00%	100.00%

STATISTICAL SECTION

Largest Employers

Deputy Sheriffs Retirement System

Units	2015	2014	2013	2012
1) Unit	Kanawha County	Kanawha County	Kanawha County	Kanawha County
Number of Active Members	97	97	103	101
Percentage of Active Members	9.90%	9.90%	10.40%	10.32%
2) Unit	Berkeley County	Berkeley County	Berkeley County	Berkeley County
Number of Active Members	52	53	56	58
Percentage of Active Members	5.31%	5.41%	5.66%	5.92%
3) Unit	Harrison County	Harrison County	Harrison County	Harrison County
Number of Active Members	48	48	46	48
Percentage of Active Members	4.90%	4.90%	4.65%	4.90%
4) Unit	Raleigh County	Cabell County	Cabell County	Cabell County
Number of Active Members	41	38	43	43
Percentage of Active Members	4.18%	3.88%	4.34%	4.39%
5) Unit	Putnam County	Putnam County	Putnam County	Monongalia County
Number of Active Members	40	37	42	42
Percentage of Active Members	4.08%	3.78%	4.24%	4.29%
6) Unit	Monongalia County	Raleigh County	Raleigh County	Putnam County
Number of Active Members	38	37	42	40
Percentage of Active Members	3.88%	3.78%	4.24%	4.09%
7) Unit	Cabell County	Monongalia County	Monongalia County	Raleigh County
Number of Active Members	37	34	39	40
Percentage of Active Members	3.78%	3.47%	3.94%	4.09%
8) Unit	Wood County	Wood County	Wood County	Wood County
Number of Active Members	33	33	38	37
Percentage of Active Members	3.37%	3.37%	3.84%	3.78%
9) Unit	Fayette County	Fayette County	Fayette County	Fayette County
Number of Active Members	31	31	34	34
Percentage of Active Members	3.16%	3.16%	3.43%	3.47%
0) Unit	Marion County	Ohio County	Ohio County	Mercer County
Number of Active Members	31	31	33	29
Percentage of Active Members	3.16%	3.16%	3.33%	2.96%
Total Active Members	1,006	980	990	979

STATISTICAL SECTION

Largest Employers

Deputy Sheriffs Retirement System (Continued)

Units	2011	2010	2009	2008
1) Unit	Kanawha County	Kanawha County	Kanawha County	Kanawha County
Number of Active Members	102	101	97	93
Percentage of Active Members	10.42%	10.54%	10.48%	10.19%
2) Unit	Berkeley County	Berkeley County	Berkeley County	Berkeley County
Number of Active Members	55	54	54	47
Percentage of Active Members	5.77%	5.64%	5.83%	5.15%
3) Unit	Harrison County	Harrison County	Cabell County	Raleigh County
Number of Active Members	44	42	39	41
Percentage of Active Members	4.61%	4.38%	4.21%	4.49%
4) Unit	Putnam County	Cabell County	Raleigh County	Putnam County
Number of Active Members	44	41	39	35
Percentage of Active Members	4.61%	4.28%	4.21%	3.83%
5) Unit	Raleigh County	Raleigh County	Harrison County	Cabell County
Number of Active Members	42	39	36	34
Percentage of Active Members	4.40%	4.07%	3.89%	3.72%
6) Unit	Cabell County	Monongalia County	Monongalia County	Harrison County
Number of Active Members	41	36	35	33
Percentage of Active Members	4.30%	3.76%	3.78%	3.61%
7) Unit	Wood County	Putnam County	Putnam County	Monongalia County
Number of Active Members	39	36	35	32
Percentage of Active Members	4.09%	3.76%	3.78%	3.50%
8) Unit	Monongalia County	Wood County	Wood County	Wood County
Number of Active Members	36	36	33	30
Percentage of Active Members	3.77%	3.76%	3.56%	3.29%
9) Unit	Fayette County	Fayette County	Fayette County	Fayette County
Number of Active Members	35	31	31	28
Percentage of Active Members	3.67%	3.24%	3.35%	3.07%
10) Unit	Ohio County	Ohio County	Greenbrier County	Greenbrier County
Number of Active Members	28	28	26	26
Percentage of Active Members	3.67%	2.92%	2.81%	2.85%
Total Active Members	954	958	926	913

STATISTICAL SECTION

Largest Employers

Deputy Sheriffs Retirement System (Continued)

Units	2007	2006
1) Unit	Kanawha County	Kanawha County
Number of Active Members	87	81
Percentage of Active Members	9.74%	9.35%
2) Unit	Berkeley County	Raleigh County
Number of Active Members	45	35
Percentage of Active Members	5.04%	4.04%
3) Unit	Raleigh County	Berkley County
Number of Active Members	35	32
Percentage of Active Members	3.92%	3.70%
4) Unit	Putnam County	Cabell County
Number of Active Members	33	30
Percentage of Active Members	3.70%	3.46%
5) Unit	Harrison County	Harrison County
Number of Active Members	31	30
Percentage of Active Members	3.47%	3.46%
6) Unit	Cabell County	Putnam County
Number of Active Members	30	30
Percentage of Active Members	3.36%	3.46%
7) Unit	Wood County	Wood County
Number of Active Members	29	28
Percentage of Active Members	3.25%	3.23%
8) Unit	Monongalia County	Monongalia County
Number of Active Members	28	27
Percentage of Active Members	3.14%	3.12%
9) Unit	Mercer County	Mercer County
Number of Active Members	25	23
Percentage of Active Members	2.80%	2.66%
10) Unit	Greenbrier County	Fayette County
Number of Active Members	24	21
Percentage of Active Members	2.69%	2.42%
Total Active Members	893	866

STATISTICAL SECTION

Largest Employers

Judges Retirement System

Units	2015	2014	2013
1) Unit	West Virginia Judiciary	West Virginia Judiciary	West Virginia Judiciary
Number of Active Members	43	50	50
Percent of Active Members	100.00%	100.00%	100.00%

Units	2012	2011	2010
1) Unit	West Virginia Judiciary	West Virginia Judiciary	West Virginia Judiciary
Number of Active Members	50	50	53
Percent of Active Members	100.00%	100.00%	100.00%

Units	2009	2008	2007
1) Unit	West Virginia Judiciary	West Virginia Judiciary	West Virginia Judiciary
Number of Active Members	54	60	60
Percent of Active Members	100.00%	100.00%	100.00%

Units	2006
1) Unit	West Virginia Judiciary
Number of Active Members	62
Percent of Active Members	100.00%

STATISTICAL SECTION

Largest Employers

Emergency Medical Services Retirement System

Units	2015	2014	2013
1) Unit	Kanawha County Emergency Ambulance	Kanawha County Emergency Ambulance	Kanawha County Emergency Ambulance
Number of Active Members	192	182	192
Percent of Active Members	36.16%	34.27%	36.71%
2) Unit	Cabell County EMS	Cabell County EMS	Cabell County EMS
Number of Active Members	109	108	118
Percent of Active Members	20.53%	20.34%	22.56%
3) Unit			
Number of Active Members			
Percent of Active Members			
Total Active Members	555	531	523

Units	2012	2011	2010
1) Unit	Kanawha County Emergency Ambulance	Kanawha County Emergency Ambulance	Kanawha County Emergency Ambulance
Number of Active Members	187	193	184
Percent of Active Members	37.85%	36.07%	35.05%
2) Unit	Cabell County EMS	Cabell County EMS	Cabell County EMS
Number of Active Members	113	115	101
Percent of Active Members	22.87%	21.50%	19.24%
3) Unit			
Number of Active Members			
Percent of Active Members			
Total Active Members	494	535	525

Units	2009	2008
1) Unit	Kanawha County Emergency Ambulance	Kanawha County Emergency Ambulance
Number of Active Members	173	154
Percent of Active Members	33.86%	32.42%
2) Unit	Cabell County EMS	Cabell County EMS
Number of Active Members	87	72
Percent of Active Members	17.03%	15.16%
3) Unit		Harrison County Emergency Squad
Number of Active Members		36
Percent of Active Members		7.58%
Total Active Members	511	475

This plan was established in January 2008.

STATISTICAL SECTION

Largest Employers

Municipal Police Officers and Firefighters Retirement System

Units	2015	2014	2013
1) Unit	City of Charleston Police	City of Huntington Police	City of Huntington Police
Number of Active Members	30	44	27
Percent of Active Members	31.91%	46.81%	56.25%
2) Unit	City of Huntington Police	City of Charleston Police	City of Charleston Police
Number of Active Members	26	34	18
Percent of Active Members	27.66%	36.17%	37.50%
Total Active Members	140	94	48

Units	2012	2011	2010
1) Unit	City of Huntington Police	City of Huntington Police	City of Huntington Police
Number of Active Members	12	9	6
Percent of Active Members	44.44%	100.00%	100.00%
2) Unit	City of Charleston Police		
Number of Active Members	7		
Percent of Active Members	25.93%		
Total Active Members	27	9	6

This plan was established January 2010.

STATISTICAL SECTION
Average Monthly Benefit Payments

The following schedules provide information on the average monthly benefit payments. These schedules exclude participants retiring with a reduced early retirement benefit with less than 10 years service. Complete data has not been consistently entered into the computer system for final average salary. Meaningful data could be not extracted for final average salary and this information has not been provided. A new computer system and related software is currently being designed with implementation of the new system to begin in 2015. Subsequent to implementation of the new software, as meaningful data becomes available, it will be included in the Statistical Section.

Public Employees Retirement System

	Years Credited Service						
	10-14	15-19	20-24	25-29	30 & over		
2014							
Average monthly benefit	\$ 547	\$ 760	\$ 1,055	\$ 1,440	\$ 2,281		
Number of active retirants	4,245	3,770	4,165	3,993	6,258		
2013							
Average monthly benefit	\$ 529	\$ 741	\$ 1,033	\$ 1,404	\$ 2,231		
Number of active retirants	4,147	3,727	4,085	3,857	5,943		
2012							
Average monthly benefit	\$ 497	\$ 698	\$ 983	\$ 1,333	\$ 2,156		
Number of active retirants	4,048	3,653	3,885	3,658	5,367		
2011							
Average monthly benefit	\$ 466	\$ 665	\$ 935	\$ 1,271	\$ 2,066		
Number of active retirants	3,945	3,599	3,749	3,394	4,714		
2010							
Average monthly benefit	\$ 454	\$ 648	\$ 909	\$ 1,242	\$ 2,028		
Number of active retirants	3,926	3,553	3,653	3,302	4,398		
2009							
Average monthly benefit	\$ 436	\$ 627	\$ 889	\$ 1,214	\$ 1,979		
Number of active retirants	3,924	3,529	3,564	3,170	4,123		
2008							
Average monthly benefit	\$ 423	\$ 608	\$ 866	\$ 1,180	\$ 1,983		
Number of active retirants	3,939	3,547	3,500	3,042	3,832		
2007							
Average monthly benefit	\$ 413	\$ 595	\$ 846	\$ 1,149	\$ 1,865		
Number of active retirants	3,978	3,530	3,416	2,930	3,571		
2006							
Average monthly benefit	\$ 395	\$ 566	\$ 813	\$ 1,103	\$ 1,767		
Number of active retirants	3,984	3,449	3,346	2,779	3,238		
2005							
Average monthly benefit	\$ 382	\$ 550	\$ 793	\$ 1,070	\$ 1,695		
Number of active retirants	4,037	3,439	3,286	2,646	2,988		

STATISTICAL SECTION
Average Monthly Benefit Payments

Teachers Retirement System

	Years Credited Service						
	10-14	15-19	20-24	25-29	30 & over		
2014							
Average monthly benefit	\$ 452	\$ 695	\$ 1,026	\$ 1,446	\$ 2,481		
Number of active retirants	2,224	3,020	4,575	5,200	17,445		
2013							
Average monthly benefit	\$ 434	\$ 667	\$ 1,008	\$ 1,404	\$ 2,409		
Number of active retirants	2,192	3,038	4,601	5,116	16,775		
2012							
Average monthly benefit	\$ 395	\$ 622	\$ 957	\$ 1,322	\$ 2,244		
Number of active retirants	2,138	3,003	4,629	4,873	15,154		
2011							
Average monthly benefit	\$ 368	\$ 588	\$ 909	\$ 1,246	\$ 2,082		
Number of active retirants	2,132	3,077	4,580	4,577	13,642		
2010							
Average monthly benefit	\$ 355	\$ 578	\$ 886	\$ 1,217	\$ 2,011		
Number of active retirants	2,149	3,129	4,539	4,496	12,976		
2009							
Average monthly benefit	\$ 346	\$ 564	\$ 868	\$ 1,192	\$ 1,948		
Number of active retirants	2,153	3,182	4,501	4,396	12,402		
2008							
Average monthly benefit	\$ 339	\$ 554	\$ 849	\$ 1,162	\$ 1,877		
Number of active retirants	2,267	3,257	4,460	4,308	11,772		
2007							
Average monthly benefit	\$ 335	\$ 543	\$ 827	\$ 1,139	\$ 1,806		
Number of active retirants	2,358	3,318	4,425	4,216	11,099		
2006							
Average monthly benefit	\$ 323	\$ 521	\$ 798	\$ 1,097	\$ 1,714		
Number of active retirants	2,445	3,327	4,387	4,109	10,426		
2005							
Average monthly benefit	\$ 315	\$ 511	\$ 783	\$ 1,069	\$ 1,634		
Number of active retirants	2,521	3,323	4,304	3,992	9,803		

STATISTICAL SECTION
Average Monthly Benefit Payments

State Police Death, Disability, and Retirement System

	Years Credited Service						
	10-14	15-19	20-24	25-29	30 & over		
2014							
Average monthly benefit	\$ 5,202	\$ 5,097	\$ 3,870	\$ 4,611	\$ 5,153		
Number of active retirants	24	22	89	423	86		
2013							
Average monthly benefit	\$ 5,001	\$ 4,913	\$ 3,705	\$ 4,433	\$ 4,951		
Number of active retirants	24	22	91	405	88		
2012							
Average monthly benefit	\$ 4,383	\$ 4,267	\$ 3,313	\$ 4,085	\$ 4,549		
Number of active retirants	25	23	92	379	91		
2011							
Average monthly benefit	\$ 4,078	\$ 4,208	\$ 3,067	\$ 3,768	\$ 4,437		
Number of active retirants	25	25	97	353	90		
2010							
Average monthly benefit	\$ 4,060	\$ 4,198	\$ 2,993	\$ 3,584	\$ 4,270		
Number of active retirants	25	25	96	346	89		
2009							
Average monthly benefit	\$ 3,807	\$ 3,735	\$ 2,909	\$ 3,425	\$ 4,118		
Number of active retirants	26	22	97	344	90		
2008							
Average monthly benefit	\$ 3,649	\$ 3,489	\$ 2,805	\$ 3,285	\$ 3,929		
Number of active retirants	25	20	93	335	93		
2007							
Average monthly benefit	\$ 3,421	\$ 3,094	\$ 2,634	\$ 3,181	\$ 3,791		
Number of active retirants	25	19	95	331	91		
2006							
Average monthly benefit	\$ 3,106	\$ 2,788	\$ 2,595	\$ 3,095	\$ 3,675		
Number of active retirants	23	18	94	330	90		
2005							
Average monthly benefit	\$ 2,701	\$ 2,687	\$ 2,573	\$ 2,912	\$ 3,508		
Number of active retirants	20	18	99	303	91		

STATISTICAL SECTION
Average Monthly Benefit Payments

State Police Retirement System

	Years Credited Service					
	10-14	15-19	20-24	25-29	30 & over	
2014						
Average monthly benefit	\$ 2,601	\$ 4,131	\$ 3,034	\$ 3,058	\$ 4,469	
Number of active retirants	4	2	2	2	1	
2013						
Average monthly benefit	\$ 2,575	\$ 4,091	\$ 3,004	\$ 3,044	\$ 4,469	
Number of active retirants	4	2	2	2	1	
2012						
Average monthly benefit	\$ 2,525	\$ 2,453	\$ 2,957	\$ 3,044	\$ 4,469	
Number of active retirants	4	1	2	2	1	
2011						
Average monthly benefit	\$ 2,500	\$ -0	\$ 2,781	\$ 3,044	\$ 4,469	
Number of active retirants	4	0	1	2	1	
2010						
Average monthly benefit	\$ 2,475	\$ -0	\$ 2,754	\$ 3,189	\$ -0	
Number of active retirants	4	0	1	1	0	
2009						
Average monthly benefit	\$ 1,842	\$ -0	\$ 1,708	\$ -0	\$ -0	
Number of active retirants	3	0	3	0	0	
2008						
Average monthly benefit	\$ -0	\$ -0	\$ 1,159	\$ -0	\$ 1,823	
Number of active retirants	0	0	2	0	3	
2007						
Average monthly benefit	\$ -0	\$ -0	\$ 1,148	\$ -0	\$ 1,805	
Number of active retirants	0	0	2	0	3	
2006						
Average monthly benefit	\$ -0	\$ -0	\$ 1,136	\$ -0	\$ 1,788	
Number of active retirants	0	0	2	0	3	
2005						
Average monthly benefit	\$ -0	\$ -0	\$ 1,125	\$ -0	\$ 1,634	
Number of active retirants	0	0	2	0	3	

STATISTICAL SECTION
Average Monthly Benefit Payments

Deputy Sheriffs Retirement System

	Years Credited Service							
	10-14	15-19	20-24	25-29	30 & over			
2014								
Average monthly benefit	\$ 1,333	\$ 1,533	\$ 1,579	\$ 1,789	\$ 2,456			
Number of active retirants	15	24	64	94	124			
2013								
Average monthly benefit	\$ 1,333	\$ 1,581	\$ 1,521	\$ 1,750	\$ 2,412			
Number of active retirants	15	25	58	90	113			
2012								
Average monthly benefit	\$ 1,238	\$ 1,501	\$ 1,453	\$ 1,685	\$ 2,265			
Number of active retirants	10	23	54	80	104			
2011								
Average monthly benefit	\$ 1,150	\$ 1,435	\$ 1,420	\$ 1,694	\$ 2,203			
Number of active retirants	8	22	44	76	95			
2010								
Average monthly benefit	\$ 1,219	\$ 1,431	\$ 1,379	\$ 1,713	\$ 2,189			
Number of active retirants	7	22	42	72	90			
2009								
Average monthly benefit	\$ 1,324	\$ 1,439	\$ 1,434	\$ 1,666	\$ 2,133			
Number of active retirants	7	22	36	69	80			
2008								
Average monthly benefit	\$ 1,446	\$ 1,387	\$ 1,392	\$ 1,611	\$ 2,123			
Number of active retirants	7	19	32	59	70			
2007								
Average monthly benefit	\$ 1,599	\$ 1,387	\$ 1,363	\$ 1,631	\$ 2,038			
Number of active retirants	6	19	30	54	62			
2006								
Average monthly benefit	\$ 1,791	\$ 1,291	\$ 1,338	\$ 1,610	\$ 2,012			
Number of active retirants	5	17	26	50	54			
2005								
Average monthly benefit	\$ 1,557	\$ 1,306	\$ 1,333	\$ 1,534	\$ 1,966			
Number of active retirants	3	16	24	44	44			

STATISTICAL SECTION
Average Monthly Benefit Payments

Judges Retirement System

	Years Credited Service							
	10-14	15-19	20-24	25-29	30 & over			
2014								
Average monthly benefit	\$ 4,200	\$ 5,713	\$ 7,257	\$ 7,953	\$ 7,265			
Number of active retirants	1	23	15	8	5			
2013								
Average monthly benefit	\$ 4,200	\$ 5,861	\$ 7,213	\$ 7,964	\$ 7,265			
Number of active retirants	1	26	14	7	5			
2012								
Average monthly benefit	\$ 4,200	\$ 5,690	\$ 7,288	\$ 7,964	\$ 7,269			
Number of active retirants	1	29	14	7	4			
2011								
Average monthly benefit	\$ -0	\$ 5,342	\$ 6,536	\$ 7,302	\$ 6,331			
Number of active retirants		31	16	6	3			
2010								
Average monthly benefit	\$ -0	\$ 5,302	\$ 6,724	\$ 7,302	\$ 6,331			
Number of active retirants		31	16	6	3			
2009								
Average monthly benefit	\$ -0	\$ 5,525	\$ 6,558	\$ 7,302	\$ 3,867			
Number of active retirants		29	11	6	1			
2008								
Average monthly benefit	\$ -0	\$ 5,529	\$ 6,558	\$ 7,302	\$ 5,558			
Number of active retirants		33	11	6	2			
2007								
Average monthly benefit	\$ -0	\$ 5,459	\$ 7,213	\$ 5,959	\$ 5,558			
Number of active retirants		36	10	5	2			
2006								
Average monthly benefit	\$ -0	\$ 5,416	\$ 7,213	\$ 5,959	\$ 7,250			
Number of active retirants		37	10	5	1			
2005								
Average monthly benefit	\$ -0	\$ 4,219	\$ 5,597	\$ 5,703	\$ 4,750			
Number of active retirants		41	10	4	3			

STATISTICAL SECTION
Average Monthly Benefit Payments

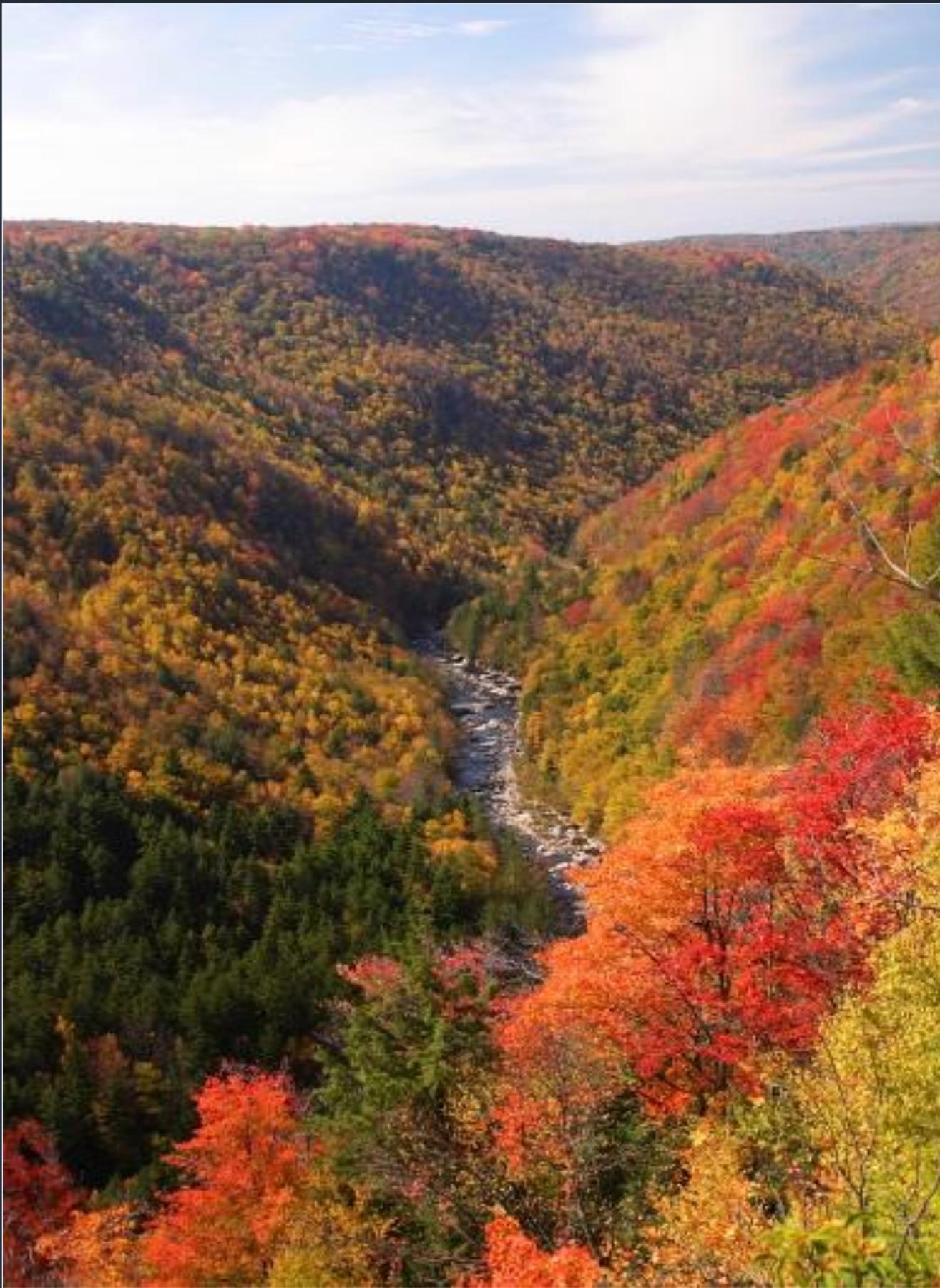
Emergency Medical Services Retirement System

	Years Credited Service									
	10-14	15-19	20-24	25-29	30 & over					
2014										
Average monthly benefit	\$ 1,830	\$ 1,775	\$ 2,114	\$ 2,308	\$ 3,057					
Number of active retirees	10	10	16	17	9					
2013										
Average monthly benefit	\$ 2,030	\$ 1,547	\$ 2,076	\$ 2,315	\$ 2,939					
Number of active retirees	8	6	14	13	8					
2012										
Average monthly benefit	\$ 1,281	\$ 1,580	\$ 2,164	\$ 2,132	\$ 2,521					
Number of active retirees	4	6	7	6	5					
2011										
Average monthly benefit	\$ 840	\$ 1,712	\$ 1,945	\$ 1,611	\$ 3,102					
Number of active retirees	1	2	2	5	4					

This plan was established in January 2008.

Municipal Police Officers & Firefighters Retirement System

The MPFRS was established in January 2010 and has no benefits or retirees to report.



CONSOLIDATED PUBLIC RETIREMENT BOARD
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